

# Converting Colors

XYZ(69.1609, 100.0000,  
78.9226)

Have a look what the booklet for  
XYZ(69.1609, 100.0000, 78.9226)  
contains.

|  |    |
|--|----|
| <b>XYZ(60.5327, 82.9034, 75.7623)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(60.5327, 82.9034,  
75.7623)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 97FFD5                       |
| RGB         | 151, 255, 213                |
| RGB Percent | 59%, 100%, 84%               |
| CMY         | 0.4078, 0.0000, 0.1647       |
| CMYK        | 0.41, 0.00, 0.16, 0.00       |
| HSL         | 156°, 100%, 80%              |
| HSV         | 156°, 41%, 100%              |
| XYZ         | 60.5327, 82.9034, 75.7623    |
| YIQ         | 219.1160, -48.5020, -35.1100 |

# Conversions

## Conversions Part 2

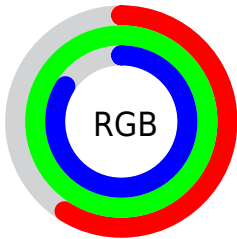
| <b>Format</b>                       | <b>Color</b>                                |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">151, 216, 255</a>               |
| Decimal                             | <a href="#">9961429</a>                     |
| CIELab                              | <a href="#">92.97, -39.52, 10.66</a>        |
| CIELCh                              | <a href="#">93, 40.935, 164.910</a>         |
| Yxy                                 | <a href="#">82.9034, 0.2762, 0.3782</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4288151509<br/>(0xFF97FFD5)</a> |
| YUV                                 | <a href="#">219.1160, -3.0152, -59.7377</a> |
| Hunter-Lab                          | <a href="#">91.0513, -40.6695, 14.4017</a>  |

# Details

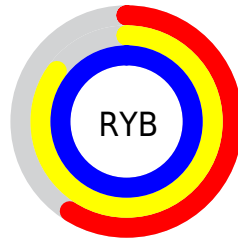
The XYZ color **60.5327, 82.9034, 75.7623** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.9327, 47.2444, 56.3073**, and the grayscale version is **67.4567, 70.9697, 77.2860**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **30.9817, 45.2365, 39.4464** is the 20% darker color. If you saturate the color by 10%, you get **55.0353, 80.2156, 68.8977**, and if you desaturate by 10%, it is **67.1381, 86.1527, 83.1148**.

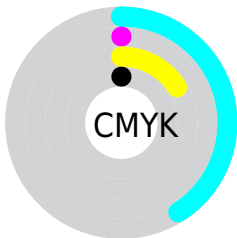
# Distribution



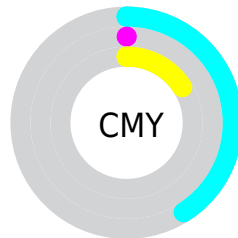
- Red (59%)
- Green (100%)
- Blue (84%)



- Red (59%)
- Yellow (85%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5327, 82.9034, 75.7623 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 60.5327, 82.9034, 75.7623 by changing the saturation by 10% instead.




 60.5327, 82.9034,  
75.7623


 60.5327, 82.9034,  
75.7623

416.3619,  
504.6645, 499.8588

 44.0993, 62.1105,  
55.7321


 104.7040,  
137.4402, 129.1479

 30.9468, 45.1220,  
39.5856


 133.1725,  
171.9528, 163.3403

 20.7100, 31.5535,  
26.9043


166.3835,  
211.8074, 203.0906

 13.0234, 21.0207,  
17.2696

204.7022,  
257.3884, 248.8173

 7.5218, 13.1391,  
10.2629

248.4940,  
309.0803, 300.9389

 3.8397, 7.5244,  
5.4657

298.1244,

 1.6119, 3.7922,

367.2673, 359.8740

2.4595

353.9585,  
432.3339, 426.0411

■ 0.4001, 1.5580,  
0.8186

■ 0.0000, 0.3290,  
0.0000

■ 60.5327, 82.9034,  
75.7623

■ 60.5327, 82.9034,  
75.7623

■ 55.0353, 80.2156,  
68.8977

■ 67.1381, 86.1527,  
83.1148

■ 50.5753, 78.0533,  
62.5057

■ 74.9114, 89.9943,  
90.9616

■ 47.0776, 76.3778,  
56.5759

■ 83.9106, 94.4581,  
99.3145

■ 44.4550, 75.1443,  
51.0957

■ 94.1894, 99.5713,  
108.1833

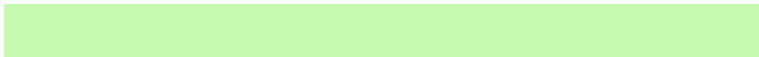
■ 42.6033, 74.2995, 95.0500, 100.0000,  
46.0516 108.9000

■ 41.4293, 73.7877,  
41.7739

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.1290, 82.9034, 54.5979



60.5327, 82.9034, 75.7623



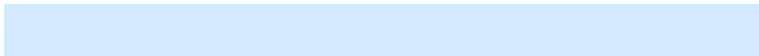
60.5187, 82.9034, 106.3160

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.5327, 82.9034, 75.7623



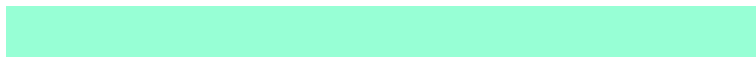
84.2178, 82.9034, 160.1294



94.3067, 82.9034, 54.6916

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



60.5327, 82.9034, 75.7623



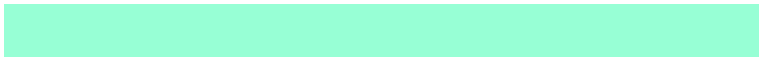
61.9327, 47.2444, 56.3073

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4289, 82.9034, 75.9216



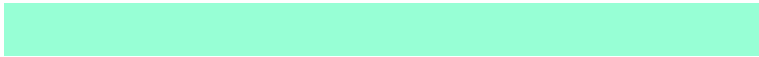
60.5327, 82.9034, 75.7623



94.2552, 82.9034, 138.8330

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.5327, 82.9034, 75.7623



73.5546, 82.9034, 160.0591



100.4092, 82.9034, 106.5156



84.2831, 82.9034, 44.4440



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.5327, 82.9034, 75.7623



63.0814, 82.9034, 128.4191



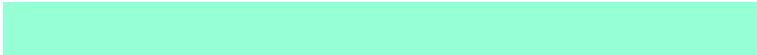
100.4092, 82.9034, 106.5156



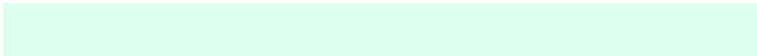
96.9278, 82.9034, 60.5369

# Sweetspot

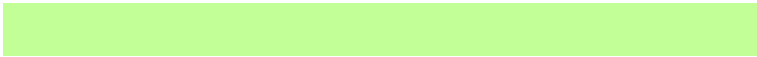
The Sweet Spot groups the original color and five complimentary colors.



60.5335, 82.9038, 75.7637



82.7483, 93.8808, 98.2708



63.6803, 85.2681, 42.3814



17.4489, 19.9640, 20.7960



0.0000, 0.0000, 0.0000

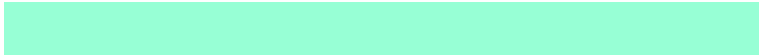


20.3446, 21.4041, 23.3091



# Same Dimension

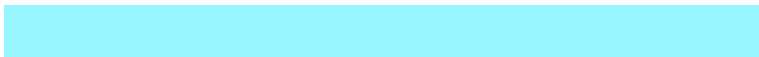
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.5335, 82.9038, 75.7637



55.9376, 80.6554, 70.0871



63.8703, 79.9142, 106.6664



18.2262, 20.3500, 21.4939



21.7236, 38.5860, 22.2273



2.1693, 3.7786, 2.4492



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.9327, 47.2444, 56.3073



57.5195, 40.5547, 48.2489



59.3396, 48.5215, 35.5173



18.3134, 18.1087, 20.2673



22.8966, 11.6479, 8.1060

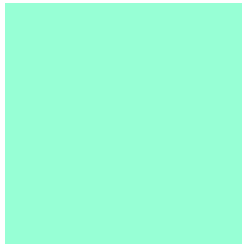


2.2817, 1.1551, 1.0651



# Previews

## White Background



This preview shows how the XYZ color 60.5327, 82.9034, 75.7623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

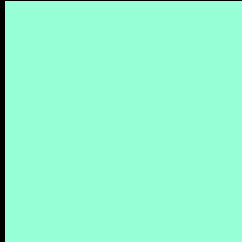
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.5327, 82.9034, 75.7623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

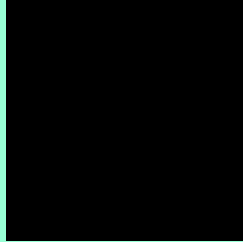
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.5327, 82.9034, 75.7623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.5327, 82.9034, 75.7623.



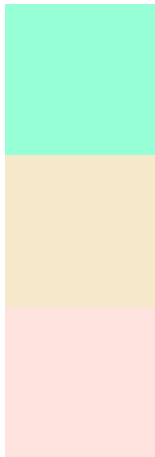
This preview shows how white text looks on a background with the XYZ color 60.5327, 82.9034,

75.7623.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

60.5327, 82.9034, 75.7623

### Protanopia

77.4558, 81.9546, 67.6136

### Deuteranopia

82.0284, 81.5259, 81.2247



## Tritanopia

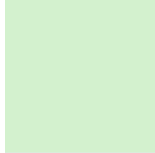
72.0503, 82.1936, 106.6752

# Trichromacy



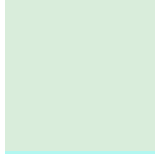
## Original Color

60.5327, 82.9034, 75.7623



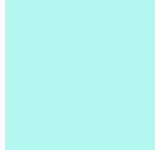
## Protanomaly

69.4598, 81.2157, 70.4078



## Deuteranomaly

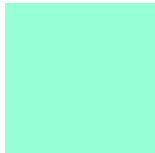
71.6856, 80.4346, 78.7650



## Tritanomaly

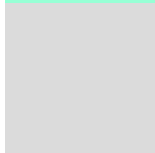
67.3490, 82.2778, 94.7696

# Monochromacy



## Original Color

60.5327, 82.9034, 75.7623



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.6291, 74.1923, 76.6126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5327, 82.9034, 75.7623 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(151, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(151, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5327, 82.9034, 75.7623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 255, 213) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(151, 255, 213) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(151, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5327, 82.9034, 75.7623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(151,  
255, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor