

# Converting Colors

XYZ(60.6252, 82.9852, 74.2213)

Have a look what the booklet for  
XYZ(60.6252, 82.9852, 74.2213)  
contains.

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# Color

**XYZ(60.6547, 82.9955,  
74.4509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFD3
RGB	153, 255, 211
RGB Percent	60%, 100%, 83%
CMY	0.4000, 0.0000, 0.1725
CMYK	0.40, 0.00, 0.17, 0.00
HSL	154°, 100%, 80%
HSV	154°, 40%, 100%
XYZ	60.6547, 82.9955, 74.4509
YIQ	219.4860, -46.6680, -35.3080

# Conversions

## Conversions Part 2

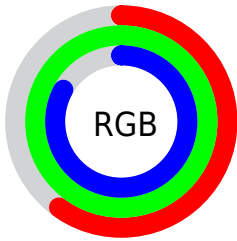
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 218, 255</a>
Decimal	<a href="#">10092499</a>
CIELab	<a href="#">93.01, -39.41, 11.75</a>
CIELCh	<a href="#">93, 41.125, 163.391</a>
Yxy	<a href="#">82.9955, 0.2781, 0.3805</a>
Android (android.graphics.Color)	<a href="#">4288282579 (0xFF99FFD3)</a>
YUV	<a href="#">219.4860, -4.1836, -58.3082</a>
Hunter-Lab	<a href="#">91.1019, -40.5848, 15.3179</a>

# Details

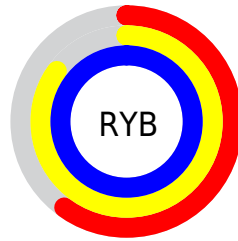
The XYZ color **60.6547, 82.9955, 74.4509** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.7097, 48.0744, 58.7976**, and the grayscale version is **67.7207, 71.2475, 77.5885**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **31.0187, 45.2753, 38.5566** is the 20% darker color. If you saturate the color by 10%, you get **55.0130, 80.2409, 67.2336**, and if you desaturate by 10%, it is **67.4206, 86.3185, 82.2162**.

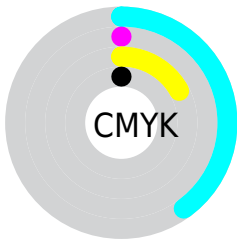
# Distribution



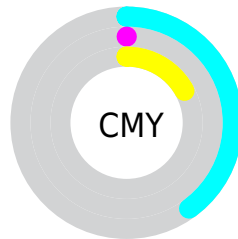
- Red (60%)
- Green (100%)
- Blue (83%)



- Red (60%)
- Yellow (85%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6547, 82.9955, 74.4509 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 60.6547, 82.9955, 74.4509 by changing the saturation by 10% instead.




 60.6547, 82.9955,  
74.4509


 60.6547, 82.9955,  
74.4509


416.8030,  
504.9715, 495.2331

 44.1980, 62.1864,  
54.6641

 104.8798,  
137.5692, 127.2747

 31.0248, 45.1834,  
38.7361


 133.3789,  
172.1025, 161.1489

 20.7697, 31.6019,  
26.2482


166.6228,  
211.9795, 200.5559

 13.0672, 21.0576,  
16.7820

204.9770,  
257.5844, 245.9143

 7.5522, 13.1661,  
9.9189

248.8068,  
309.3017, 297.6427

 3.8591, 7.5430,  
5.2403

298.4774,

 1.6228, 3.8040,

367.5157, 356.1596

2.3277

354.3544,  
432.6108, 421.8836

■ 0.4072, 1.5645,  
0.7467

■ 0.0000, 0.3335,  
0.0000

■ 60.6547, 82.9955,  
74.4509

■ 60.6547, 82.9955,  
74.4509

■ 55.0130, 80.2409,  
67.2336

■ 67.4206, 86.3185,  
82.2162

■ 50.4253, 78.0191,  
60.5471

■ 75.3707, 90.2410,  
90.5377

■ 46.8167, 76.2916,  
54.3792

■ 84.5629, 94.7925,  
99.4288

■ 44.1007, 75.0140,  
48.7155

95.0500, 100.0000,  
108.9000

■ 42.1744, 74.1335,  
43.5404

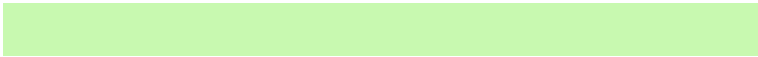
■ 40.8711, 73.5645,  
38.8348

■ 40.8710, 73.5644,  
38.8344

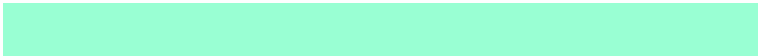
# Harmonies

## Analogous

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



65.4943, 82.9955, 53.7529



60.6547, 82.9955, 74.4509



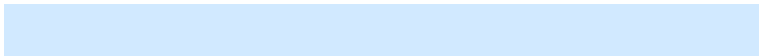
60.4024, 82.9955, 104.8139

# Triad

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



60.6547, 82.9955, 74.4509



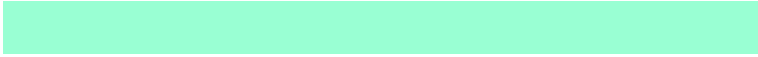
83.7795, 82.9955, 161.2282



94.9135, 82.9955, 55.4360

# Complementary

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



60.6547, 82.9955, 74.4509



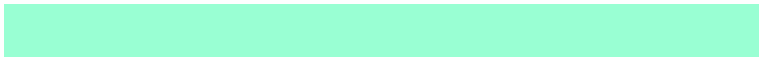
62.7097, 48.0744, 58.7976

# 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.



100.7981, 82.9955, 77.3144



60.6547, 82.9955, 74.4509



93.9862, 82.9955, 140.6907

# Square

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



60.6547, 82.9955, 74.4509



73.1113, 82.9955, 159.9633



100.4441, 82.9955, 108.4059

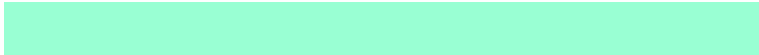


84.9544, 82.9955, 44.6100



# Rectangle

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



60.6547, 82.9955, 74.4509



62.8243, 82.9955, 127.1030



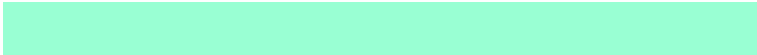
100.4441, 82.9955, 108.4059



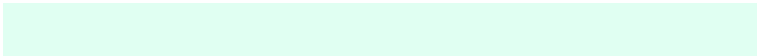
97.4726, 82.9955, 61.4954

# Sweetspot

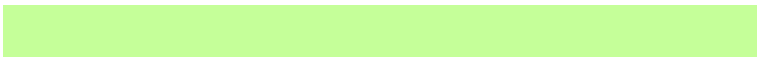
The Sweet Spot groups the original color and five complimentary colors.



60.6554, 82.9958, 74.4523



82.6216, 93.8301, 97.6036



64.5887, 85.7175, 43.2789



17.4191, 19.9520, 20.6388



0.0000, 0.0000, 0.0000

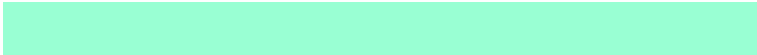


20.3446, 21.4041, 23.3091

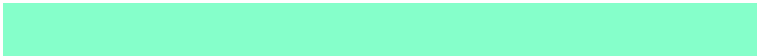


# Same Dimension

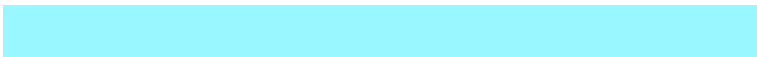
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.6554, 82.9958, 74.4523



56.0544, 80.7479, 68.6337



64.8163, 81.2505, 106.8745



18.2044, 20.3413, 21.3792



21.4324, 38.4695, 20.6939



2.1416, 3.7676, 2.3035



# Inverse Universe

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



62.7097, 48.0744, 58.7976



58.3720, 41.4454, 51.0432



59.5265, 48.6330, 36.3877



18.3347, 18.1172, 20.3795



23.0908, 11.7256, 9.1286

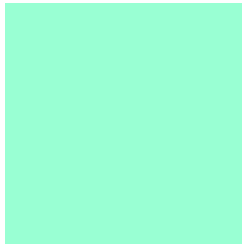


2.3018, 1.1631, 1.1706



# Previews

## White Background



This preview shows how the XYZ color 60.6547, 82.9955, 74.4509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

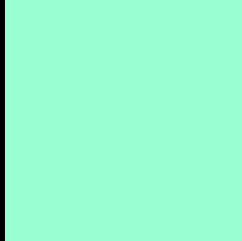
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6547, 82.9955, 74.4509 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 60.6547, 82.9955, 74.4509

## Background



This preview shows how black text looks on a background with the XYZ color 60.6547, 82.9955, 74.4509.



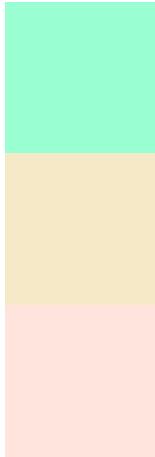
This preview shows how white text looks on a background with the XYZ color 60.6547, 82.9955,

74.4509.

# 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

60.6547, 82.9955, 74.4509

### Protanopia

77.5703, 82.0408, 66.3906

### Deuteranopia

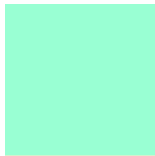
82.1682, 82.0207, 80.6081



## Tritanopia

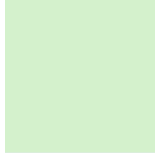
72.3078, 82.3264, 106.6873

# Trichromacy



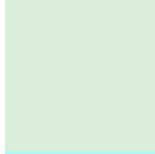
## Original Color

60.6547, 82.9955, 74.4509



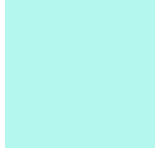
## Protanomaly

69.5058, 81.2673, 69.1496



## Deuteranomaly

72.1429, 81.1165, 78.1844



## Tritanomaly

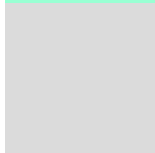
67.6631, 82.4568, 94.0109

# Monochromacy



## Original Color

60.6547, 82.9955, 74.4509



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.7570, 74.2732, 75.9416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6547, 82.9955, 74.4509 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(153, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 211)  
}
```

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(153, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6547, 82.9955, 74.4509 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(153, 255, 211) }
```



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

```
.border{ border-color:rgb(153, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6547, 82.9955, 74.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 211) }
```

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

```
.background{ background-color: rgb(153,  
255, 211) }
```

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](#).

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