

# Converting Colors

XYZ(65.0980, 89.8501, 98.6688)

Have a look what the booklet for  
XYZ(65.0980, 89.8501, 98.6688)  
contains.

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# Color

**XYZ(61.6105, 82.9776,  
97.5631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85FFF3
RGB	133, 255, 243
RGB Percent	52%, 100%, 95%
CMY	0.4784, 0.0000, 0.0471
CMYK	0.48, 0.00, 0.05, 0.00
HSL	174°, 100%, 76%
HSV	174°, 48%, 100%
XYZ	61.6105, 82.9776, 97.5631
YIQ	217.1540, -68.8600, -29.5960

# Conversions

## Conversions Part 2

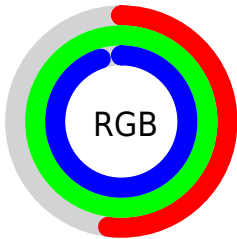
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 197, 255
Decimal	8781811
CIELab	93.00, -37.13, -4.87
CIELCh	93, 37.444, 187.481
Yxy	82.9776, 0.2544, 0.3427
Android (android.graphics.Color)	4286971891 (0xFF85FFF3)
YUV	217.1540, 12.7421, -73.8031
Hunter-Lab	91.0920, -38.6818, 0.2625

# Details

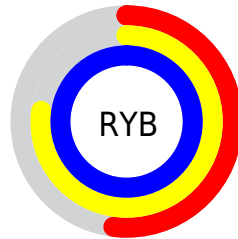
The XYZ color **61.6105, 82.9776, 97.5631** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **54.7392, 40.0808, 31.6405**, and the grayscale version is **66.0084, 69.4460, 75.6267**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **31.6895, 45.2781, 54.0830** is the 20% darker color. If you saturate the color by 10%, you get **57.6859, 80.9978, 95.4171**, and if you desaturate by 10%, it is **66.5194, 85.4641, 99.7851**.

# Distribution



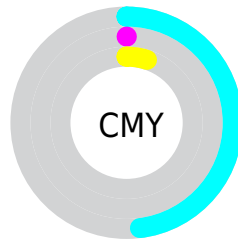
- Red (52%)
- Green (100%)
- Blue (95%)



- Red (52%)
- Yellow (77%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6105, 82.9776, 97.5631 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 61.6105, 82.9776, 97.5631 by changing the saturation by 10% instead.



61.6105, 82.9776,  
97.5631

61.6105, 82.9776,  
97.5631

420.2491,  
504.9119, 573.5309

44.9725, 62.1717,  
73.6614

106.2555,  
137.5441, 159.8268

31.6369, 45.1714,  
54.0219

134.9932,  
172.0734, 199.0260

21.2385, 31.5925,  
38.2259

168.4948,  
211.9460, 244.1614

13.4119, 21.0504,  
25.8548

207.1257,  
257.5463, 295.6515

7.7918, 13.1609,  
16.4903

251.2512,  
309.2586, 353.9150

4.0127, 7.5394,  
9.7137

301.2367,

1.7093, 3.8017,

367.4674, 419.3704

5.1064

357.4476,  
432.5570, 492.4362

■ 0.4621, 1.5632,  
2.2500

■ 0.0000, 0.3326,  
0.7030

■ 61.6105, 82.9776,  
97.5631

■ 61.6105, 82.9776,  
97.5631

■ 57.6859, 80.9978,  
95.4171

■ 66.5194, 85.4641,  
99.7851

■ 54.6706, 79.4863,  
93.3391

■ 72.4743, 88.4893,  
102.0816

■ 52.4838, 78.4012,  
91.3267

■ 79.5354, 92.0842,  
104.4572

■ 51.0289, 77.6929,  
89.3752

■ 87.7575, 96.2770,  
106.9145

■ 50.1769, 77.2947,  
87.4785

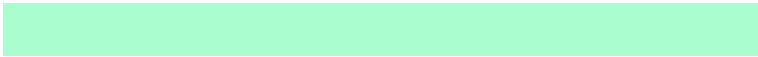
95.0500, 100.0000,  
108.9000

■ 50.0318, 77.2287,  
87.0744

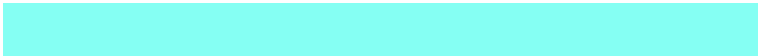
# Harmonies

## Analogous

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



62.7003, 82.9776, 71.2040



61.6105, 82.9776, 97.5631



64.8307, 82.9776, 127.3534

# Triad

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



61.6105, 82.9776, 97.5631



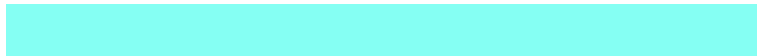
90.9069, 82.9776, 140.3351



86.3122, 82.9776, 49.0816

# Complementary

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



61.6105, 82.9776, 97.5631



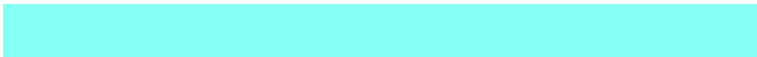
54.7392, 40.0808, 31.6405

# 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.



94.7974, 82.9776, 61.3112



61.6105, 82.9776, 97.5631



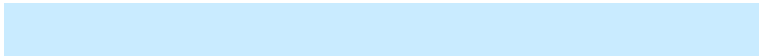
97.5998, 82.9776, 112.6495

# Square

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



61.6105, 82.9776, 97.5631



81.3482, 82.9776, 155.1646



99.0795, 82.9776, 83.4986

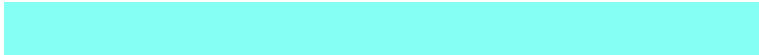


76.4382, 82.9776, 46.6862



# Rectangle

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



61.6105, 82.9776, 97.5631



69.1591, 82.9776, 143.9621



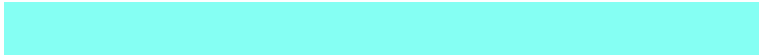
99.0795, 82.9776, 83.4986



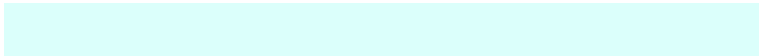
89.4449, 82.9776, 52.0347

# Sweetspot

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



61.6115, 82.9781, 97.5646



82.5535, 93.6226, 105.3913



51.7070, 79.2519, 34.7639



17.3024, 19.8518, 22.4455



0.0000, 0.0000, 0.0000

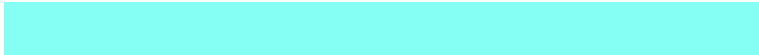


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.6115, 82.9781, 97.5646



57.9801, 81.1458, 95.5950



49.8435, 56.4468, 102.8760



18.4733, 20.4489, 22.7954



26.1742, 40.3663, 45.6639



2.5699, 3.9389, 4.5588



# Inverse Universe

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



54.7392, 40.0808, 31.6405



50.4129, 33.7903, 22.9157



62.1616, 56.3288, 29.7883



18.0819, 18.0161, 19.0486



21.6647, 11.1552, 1.6189

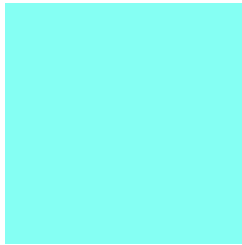


2.1325, 1.0954, 0.2791



# Previews

## White Background



This preview shows how the XYZ color 61.6105, 82.9776, 97.5631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

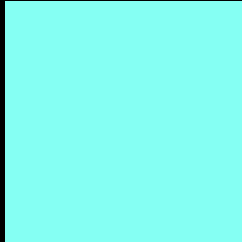
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6105, 82.9776, 97.5631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

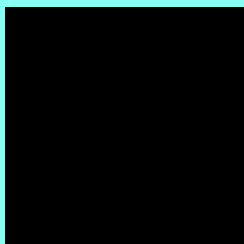
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

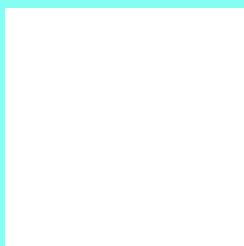
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.6105, 82.9776, 97.5631

## Background



This preview shows how black text looks on a background with the XYZ color 61.6105, 82.9776, 97.5631.



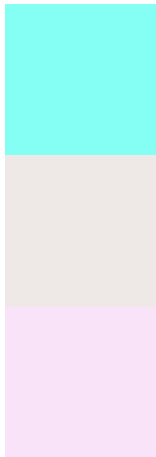
This preview shows how white text looks on a background with the XYZ color 61.6105, 82.9776,



# 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

61.6105, 82.9776, 97.5631

### Protanopia

78.3994, 81.6035, 86.4819

### Deuteranopia

83.6349, 81.9175, 101.0261



## Tritanopia

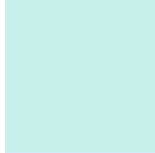
71.3358, 82.2683, 106.7273

# Trichromacy



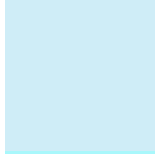
## Original Color

61.6105, 82.9776, 97.5631



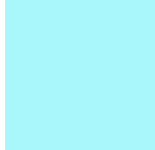
## Protanomaly

69.9749, 80.5977, 90.4661



## Deuteranomaly

72.8048, 80.5492, 99.7060



## Tritanomaly

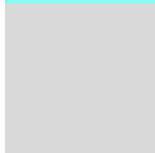
67.0355, 81.9216, 103.5461

# Monochromacy



## Original Color

61.6105, 82.9776, 97.5631



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

62.5531, 73.0819, 82.7608

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6105, 82.9776, 97.5631 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(133, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 243)  
}
```

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(133, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6105, 82.9776, 97.5631 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(133, 255, 243) }
```



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

```
.border{ border-color:rgb(133, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 255, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 255, 243); box-shadow:4px 4px 4px 4px rgb(133, 255, 243) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6105, 82.9776, 97.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 243) }
```

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

```
.background{ background-color: rgb(133,  
255, 243) }
```

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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