

# Converting Colors

XYZ(61.6702, 85.5818,  
106.2841)

Have a look what the booklet for  
XYZ(61.6702, 85.5818, 106.2841)  
contains.

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# Color

**XYZ(59.7963, 81.8631,  
105.5781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DFFFD
RGB	109, 255, 253
RGB Percent	43%, 100%, 99%
CMY	0.5725, 0.0000, 0.0078
CMYK	0.57, 0.00, 0.01, 0.00
HSL	179°, 100%, 71%
HSV	179°, 57%, 100%
XYZ	59.7963, 81.8631, 105.5781
YIQ	211.1180, -86.3740, -31.5740

# Conversions

## Conversions Part 2

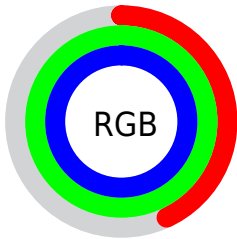
Format	Color
<a href="#">RYB</a>	<a href="#">109, 183, 255</a>
Decimal	<a href="#">7208957</a>
CIELab	<a href="#">92.51, -39.30, -10.86</a>
CIELCh	<a href="#">93, 40.776, 195.449</a>
Yxy	<a href="#">81.8631, 0.2419, 0.3311</a>
Android (android.graphics.Color)	<a href="#">4285399037 (0xFF6DFFFD)</a>
YUV	<a href="#">211.1180, 20.6478, -89.5575</a>
Hunter-Lab	<a href="#">90.4782, -40.3678, -5.8501</a>

# Details

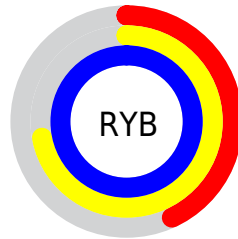
The XYZ color **59.7963, 81.8631, 105.5781** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.5789, 33.3466, 18.8639**, and the grayscale version is **61.9044, 65.1283, 70.9247**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **30.4888, 44.5443, 59.2155** is the 20% darker color. If you saturate the color by 10%, you get **57.0465, 80.4519, 105.1609**, and if you desaturate by 10%, it is **63.4581, 83.7443, 106.0415**.

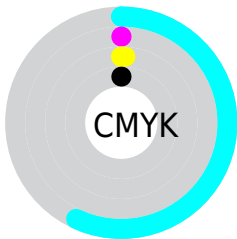
# Distribution



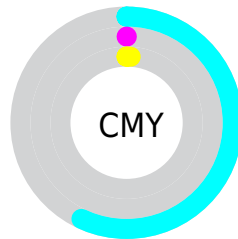
- Red (43%)
- Green (100%)
- Blue (99%)



- Red (43%)
- Yellow (72%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7963, 81.8631, 105.5781 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 59.7963, 81.8631, 105.5781 by changing the saturation by 10% instead.




 59.7963, 81.8631,  
105.5781


 59.7963, 81.8631,  
105.5781


413.6933,  
501.1897, 599.3311


 43.5033, 61.2527,  
80.3244

 103.6421,  
135.9820, 170.9204

 30.4764, 44.4291,  
59.4576


 131.9257,  
170.2593, 211.8460

 20.3504, 31.0080,  
42.5592


 164.9368,  
209.8610, 258.8327

 12.7597, 20.6050,  
29.2105

203.0409,  
255.1715, 312.2990

 7.3392, 12.8355,  
18.9932

246.6032,  
306.5753, 372.6635

 3.7233, 7.3154,  
11.4886

295.9891,

 1.5468, 3.6601,

364.4566, 440.3446

6.2782

351.5640,  
429.1999, 515.7610

■ 0.3574, 1.4853,  
2.9435

■ 0.0000, 0.2784,  
1.0658

■ 59.7963, 81.8631,  
105.5781

■ 59.7963, 81.8631,  
105.5781

■ 57.0465, 80.4519,  
105.1609

■ 63.4581, 83.7443,  
106.0415

■ 55.1242, 79.4673,  
104.7814

■ 68.0999, 86.1308,  
106.5498

■ 53.9350, 78.8607,  
104.4368

■ 73.7873, 89.0563,  
107.1075

■ 53.3560, 78.5685,  
104.1213

■ 80.5792, 92.5512,  
107.7175

■ 53.2531, 78.5172,  
104.0373

■ 88.5299, 96.6435,  
108.3823

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



59.7271, 81.8631, 75.2800



59.7963, 81.8631, 105.5781



64.3878, 81.8631, 137.4503

# Triad

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



59.7963, 81.8631, 105.5781



93.2294, 81.8631, 136.5901



83.0338, 81.8631, 43.7883

# Complementary

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



59.7963, 81.8631, 105.5781



49.5789, 33.3466, 18.8639

# 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.



92.9753, 81.8631, 53.7202



59.7963, 81.8631, 105.5781



99.2138, 81.8631, 104.5935

# Square

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



59.7963, 81.8631, 105.5781



83.3559, 81.8631, 157.9347



99.1168, 81.8631, 74.4945



72.5127, 81.8631, 43.9357



# Rectangle

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



59.7963, 81.8631, 105.5781



69.6558, 81.8631, 153.3481



99.1168, 81.8631, 74.4945



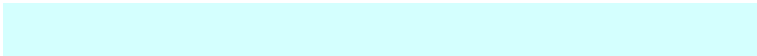
86.5736, 81.8631, 45.9392

# Sweetspot

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



59.7974, 81.8636, 105.5796



80.7652, 92.6469, 107.7336



45.1318, 76.0324, 26.7670



16.9742, 19.6692, 23.0322



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.



59.7974, 81.8636, 105.5796



56.6532, 80.2503, 105.0918



41.5889, 44.9343, 101.0890



18.5435, 20.4769, 23.1652



27.8308, 41.0289, 54.3877



2.7131, 3.9962, 5.3130



# Inverse Universe

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



49.5789, 33.3466, 18.8639



45.5420, 27.4602, 10.7750



60.2353, 54.8335, 21.8791



18.0195, 17.9911, 18.7198



21.5631, 11.1145, 1.0840

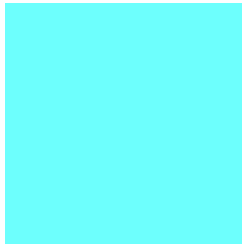


2.1029, 1.0835, 0.1234



# Previews

## White Background



This preview shows how the XYZ color 59.7963, 81.8631, 105.5781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

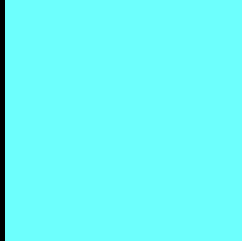
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7963, 81.8631, 105.5781 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

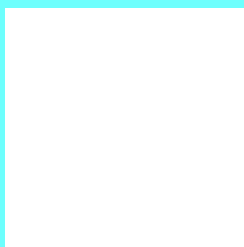
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.7963, 81.8631, 105.5781

## Background



This preview shows how black text looks on a background with the XYZ color 59.7963, 81.8631, 105.5781.



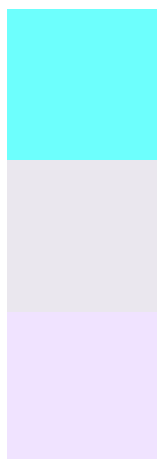
This preview shows how white text looks on a background with the XYZ color 59.7963, 81.8631,



# 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

59.7963, 81.8631, 105.5781

### Protanopia

77.9402, 80.8173, 92.3803

### Deuteranopia

81.4543, 80.6834, 105.8881



## Tritanopia

68.9230, 81.0245, 106.6144

# Trichromacy



## Original Color

59.7963, 81.8631, 105.5781



## Protanomaly

68.3240, 79.6101, 96.5592



## Deuteranomaly

69.9118, 78.9306, 105.3163



## Tritanomaly

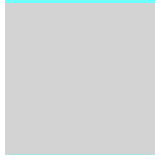
64.4766, 80.5473, 105.9148

# Monochromacy



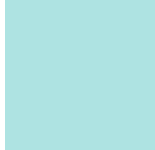
## Original Color

59.7963, 81.8631, 105.5781



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

58.6521, 69.4278, 82.2611

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7963, 81.8631, 105.5781 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(109, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 253)  
}
```

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(109, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7963, 81.8631, 105.5781 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(109, 255, 253) }
```



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

```
.border{ border-color:rgb(109, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 255, 253); box-shadow:4px 4px 4px 4px rgb(109, 255, 253) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7963, 81.8631, 105.5781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 253) }
```

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

```
.background{ background-color: rgb(109,  
255, 253) }
```

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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