

# Converting Colors

XYZ(51.4847, 78.5527, 61.1639)

Have a look what the booklet for  
XYZ(51.4847, 78.5527, 61.1639)  
contains.

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# Color

**XYZ(51.4847, 78.5527,  
61.1639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFFBE
RGB	110, 255, 190
RGB Percent	43%, 100%, 75%
CMY	0.5686, 0.0000, 0.2549
CMYK	0.57, 0.00, 0.25, 0.00
HSL	153°, 100%, 72%
HSV	153°, 57%, 100%
XYZ	51.4847, 78.5527, 61.1639
YIQ	204.2350, -65.5550, -50.9550

# Conversions

## Conversions Part 2

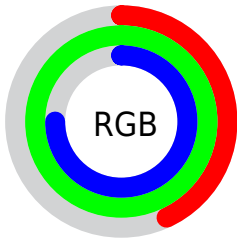
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 203, 255
Decimal	7274430
CIELab	91.03, -53.76, 19.52
CIELCh	91, 57.192, 160.049
Yxy	78.5527, 0.2693, 0.4108
Android (android.graphics.Color)	4285464510 (0xFF6EFFBE)
YUV	204.2350, -7.0179, -82.6441
Hunter-Lab	88.6300, -51.4127, 21.1247

# Details

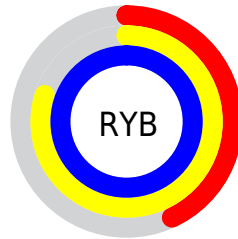
The XYZ color **51.4847, 78.5527, 61.1639** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.5543, 35.5079, 44.5366**, and the grayscale version is **57.6160, 60.6166, 66.0114**.

A 20% lighter version of the original color is **69.1891, 86.8317, 100.3023**, and **25.1377, 42.0851, 30.0909** is the 20% darker color. If you saturate the color by 10%, you get **47.5548, 76.6655, 54.7124**, and if you desaturate by 10%, it is **56.4266, 80.9503, 68.1769**.

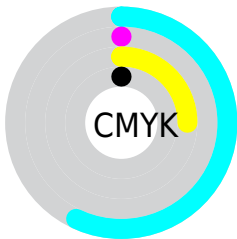
# Distribution



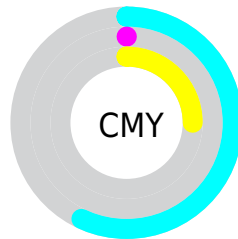
- Red (43%)
- Green (100%)
- Blue (75%)



- Red (43%)
- Yellow (80%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4847, 78.5527, 61.1639 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 51.4847, 78.5527, 61.1639 by changing the saturation by 10% instead.





 51.4847, 78.5527,  
61.1639


 51.4847, 78.5527,  
61.1639


382.8007,  
490.0418, 446.7979


 36.8171, 58.5281,  
43.9260


 91.5496, 131.3290,  
108.0761

 25.2389, 42.2334,  
30.2756


 117.6776,  
164.8494, 138.5874

 16.3848, 29.2841,  
19.7940


 148.3564,  
203.6373, 174.3604

 9.8895, 19.2958,  
12.0628

183.9514,  
248.0770, 215.8135

 5.3874, 11.8842,  
6.6634

224.8280,  
298.5529, 263.3652

 2.5134, 6.6649,  
3.1773

271.3516,

 0.9020, 3.2534,

355.4494, 317.4342

1.1859

323.8873,  
419.1509, 378.4389

■ 0.0000, 1.2654,  
0.0000

■ 0.0000, 0.1142,  
0.0000

■ 51.4847, 78.5527,  
61.1639

■ 51.4847, 78.5527,  
61.1639

■ 47.5548, 76.6655,  
54.7124

■ 56.4266, 80.9503,  
68.1769

■ 44.5519, 75.2451,  
48.8030


■ 62.4517, 83.8947,  
75.7622


■ 42.3796, 74.2422,  
43.4203

■ 69.6269, 87.4202,  
83.9351

■ 40.9156, 73.5938,  
38.5459

■ 78.0130, 91.5578,  
92.7090

 40.5447, 73.4339,  
37.1161

 87.6662, 96.3365,  
102.0970

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.



58.1828, 78.5527, 37.9558



51.4847, 78.5527, 61.1639



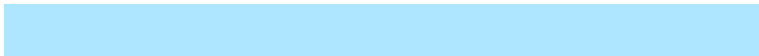
50.5225, 78.5527, 100.1698

# Triad

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



51.4847, 78.5527, 61.1639



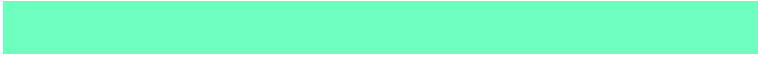
79.6124, 78.5527, 190.1597



97.9986, 78.5527, 43.8879

# Complementary

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



51.4847, 78.5527, 61.1639



54.5543, 35.5079, 44.5366

# 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.



105.4764, 78.5527, 72.3919



51.4847, 78.5527, 61.1639



93.9914, 78.5527, 161.9895

# Square

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



51.4847, 78.5527, 61.1639



65.5823, 78.5527, 184.1715



103.9222, 78.5527, 115.6363

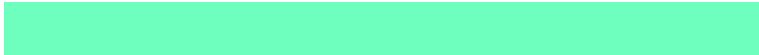


84.5432, 78.5527, 30.4420



# Rectangle

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



51.4847, 78.5527, 61.1639



53.1136, 78.5527, 131.8496



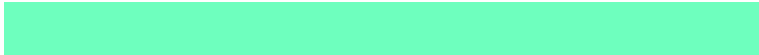
103.9222, 78.5527, 115.6363



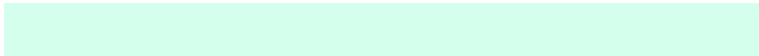
101.3686, 78.5527, 51.5706

# Sweetspot

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



51.4854, 78.5530, 61.1652



77.8881, 91.4961, 92.5831



56.3105, 81.7890, 27.5719



16.2900, 19.3956, 19.4292



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.



51.4854, 78.5530, 61.1652



47.1677, 76.4811, 54.0124



57.9715, 77.5165, 106.5145



18.1910, 20.3359, 21.3089



21.2619, 38.4014, 19.7962



2.1253, 3.7610, 2.2175



# Inverse Universe

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



54.5543, 35.5079, 44.5366



50.5139, 29.7491, 36.0311



50.4456, 35.1676, 18.8822



18.3478, 18.1224, 20.4487



23.2177, 11.7764, 9.7969

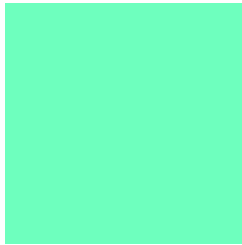


2.3147, 1.1683, 1.2387



# Previews

## White Background



This preview shows how the XYZ color 51.4847, 78.5527, 61.1639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

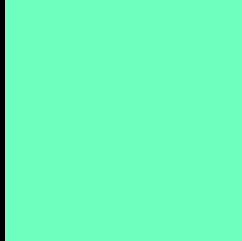
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4847, 78.5527, 61.1639 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 51.4847, 78.5527, 61.1639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4847, 78.5527, 61.1639.



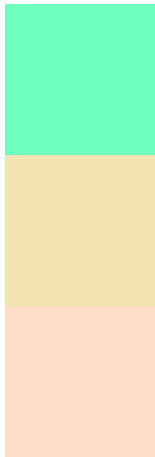
This preview shows how white text looks on a background with the XYZ color 51.4847, 78.5527,



# 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

51.4847, 78.5527, 61.1639

### Protanopia

72.3670, 77.1672, 52.6756

### Deuteranopia

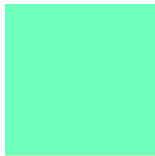
77.8759, 77.2847, 67.3128



## Tritanopia

65.1464, 77.7557, 106.1825

# Trichromacy



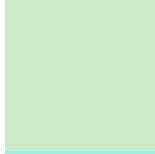
## Original Color

51.4847, 78.5527, 61.1639



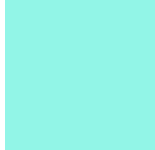
## Protanomaly

61.2334, 75.5479, 55.6108



## Deuteranomaly

63.6891, 74.9116, 64.5287



## Tritanomaly

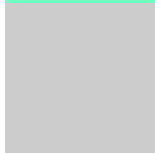
58.9303, 77.1853, 87.3936

# Monochromacy



## Original Color

51.4847, 78.5527, 61.1639



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

53.2740, 65.4449, 63.8571

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4847, 78.5527, 61.1639 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(110, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 190)  
}
```

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(110, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4847, 78.5527, 61.1639 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(110, 255, 190) }
```



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

```
.border{ border-color:rgb(110, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4847, 78.5527, 61.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 190) }
```

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

```
.background{ background-color: rgb(110,  
255, 190) }
```

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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