

# Converting Colors

XYZ(51.8992, 52.8881, 77.7951)

Have a look what the booklet for  
XYZ(51.8992, 52.8881, 77.7951)  
contains.

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# Color

**XYZ(51.8525, 52.8338,  
77.9860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BFE0
RGB	184, 191, 224
RGB Percent	72%, 75%, 88%
CMY	0.2784, 0.2510, 0.1216
CMYK	0.18, 0.15, 0.00, 0.12
HSL	229°, 39%, 80%
HSV	229°, 18%, 88%
XYZ	51.8525, 52.8338, 77.9860
YIQ	192.6690, -14.7650, 8.7790

# Conversions

## Conversions Part 2

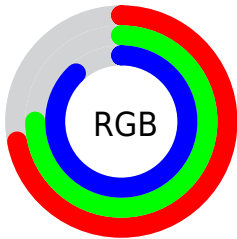
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 190, 224
Decimal	12107744
CIELab	77.78, 4.34, -17.26
CIELCh	78, 17.797, 284.120
Yxy	52.8338, 0.2839, 0.2892
Android (android.graphics.Color)	4290297824 (0xFFB8BFE0)
YUV	192.6690, 15.4462, -7.6027
Hunter-Lab	72.6869, 0.1342, -12.7317

# Details

The XYZ color **51.8525, 52.8338, 77.9860** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.2054, 68.9335, 55.2701**, and the grayscale version is **50.4141, 53.0396, 57.7601**.

A 20% lighter version of the original color is **87.2459, 92.2668, 107.8187**, and **25.6100, 25.8668, 41.1791** is the 20% darker color. If you saturate the color by 10%, you get **43.1270, 42.7271, 76.4960**, and if you desaturate by 10%, it is **61.9393, 64.3997, 79.6877**.

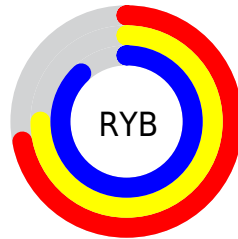
# Distribution



Red (72%)

Green (75%)

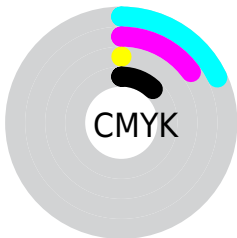
Blue (88%)



Red (72%)

Yellow (75%)

Blue (88%)

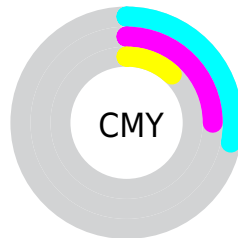


Cyan (18%)

Magenta (15%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (25%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8525, 52.8338, 77.9860 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 51.8525, 52.8338, 77.9860 by changing the saturation by 10% instead.



■ 51.8525, 52.8338,  
77.9860

■ 51.8525, 52.8338,  
77.9860

384.2002,  
397.6472, 507.6459

■ 37.1113, 37.6701,  
57.5461

■ 92.0892, 94.3598,  
132.3161

■ 25.4678, 25.7268,  
41.0316

118.3154,  
121.4908, 167.0433

■ 16.5565, 16.6193,  
28.0239

149.1007,  
153.3798, 207.3701

■ 10.0121, 9.9635,  
18.1045

184.8103,  
190.4111, 253.7150

■ 5.4693, 5.3747,  
10.8548

225.8098,  
232.9691, 306.4964

■ 2.5627, 2.4688,  
5.8563

272.4643,

■ 0.9270, 0.8609,

281.4381, 366.1331

2.6905

325.1394,  
336.2027, 433.0434

■ 0.0000, 0.0000,  
0.9387

■ 0.0000, 0.0000,  
0.0000

■ 51.8525, 52.8338,  
77.9860

■ 51.8525, 52.8338,  
77.9860

■ 43.1270, 42.7271,  
76.4960

■ 61.9393, 64.3997,  
79.6877

■ 35.6992, 34.0149,  
75.2058

■ 73.4377, 77.4733,  
81.6051

■ 29.5076, 26.6369,  
74.1081

■ 86.4013, 92.1087,  
83.7468

■ 24.4838, 20.5262,  
73.1934

■ 90.4547, 98.1619,  
84.7015

■ 20.5523, 15.6097,  
72.4516

■ 17.6288, 11.8065,  
71.8716

■ 15.6158, 9.0252,  
71.4408

■ 14.3850, 7.1533,  
71.1444

■ 14.1872, 6.8470,  
71.0957

# Harmonies

## Analogous

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



48.4238, 52.8338, 77.8011



51.8525, 52.8338, 77.9860



54.9775, 52.8338, 72.2703

# Triad

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



51.8525, 52.8338, 77.9860



55.1308, 52.8338, 45.2900



44.1035, 52.8338, 52.4841

# Complementary

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



51.8525, 52.8338, 77.9860



64.2054, 68.9335, 55.2701

# 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.



45.7394, 52.8338, 44.9390



51.8525, 52.8338, 77.9860



52.0539, 52.8338, 41.1218

# Square

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



51.8525, 52.8338, 77.9860



56.9281, 52.8338, 53.0162



48.6161, 52.8338, 41.0011



44.0551, 52.8338, 62.2867



# Rectangle

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



51.8525, 52.8338, 77.9860



56.4242, 52.8338, 66.2235



48.6161, 52.8338, 41.0011



44.4825, 52.8338, 49.6273

# Sweetspot

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



51.8541, 52.8360, 77.9872



87.2497, 91.1333, 107.5997



58.9049, 68.4950, 75.5357



18.4488, 19.2485, 22.9929



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.



51.8541, 52.8360, 77.9872



65.5092, 66.2013, 103.9332



53.5349, 51.4894, 77.6387



13.1451, 13.6292, 17.3256



8.3163, 4.1022, 41.4019



0.6349, 0.4013, 2.8892



# Inverse Universe

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



57.2862, 53.8911, 56.6754



73.9676, 67.9378, 70.7274



62.2679, 70.6711, 55.7076



13.8047, 13.7395, 14.7417



18.1379, 9.3222, 2.1260

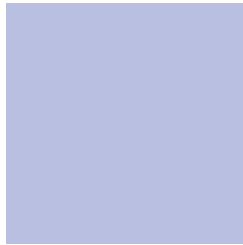


1.2867, 0.6580, 0.3027



# Previews

## White Background



This preview shows how the XYZ color 51.8525, 52.8338, 77.9860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

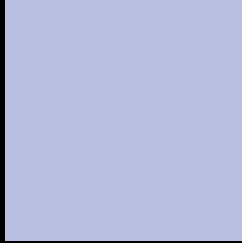
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8525, 52.8338, 77.9860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

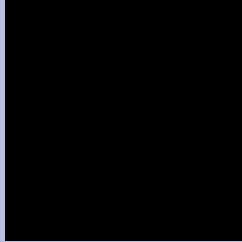
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.8525, 52.8338, 77.9860

## Background



This preview shows how black text looks on a background with the XYZ color 51.8525, 52.8338, 77.9860.



This preview shows how white text looks on a background with the XYZ color 51.8525, 52.8338,



# 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

51.8525, 52.8338, 77.9860

### Protanopia

52.1177, 52.6478, 77.9362

### Deuteranopia

53.8666, 52.5790, 78.5438



## Tritanopia

49.8565, 53.0108, 67.9260

# Trichromacy



## Original Color

51.8525, 52.8338, 77.9860

## Protanomaly

51.8756, 52.5230, 77.9248

## Deuteranomaly

53.0597, 52.4790, 78.5671

## Tritanomaly

50.4990, 52.9401, 71.1752

# Monochromacy



## Original Color

51.8525, 52.8338, 77.9860

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.9839, 53.0061, 64.6708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8525, 52.8338, 77.9860 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(184, 191, 224)` looks like.

```
.text, #text, p{  
    color:rgb(184, 191, 224)  
}
```

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(184, 191, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8525, 52.8338, 77.9860 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".

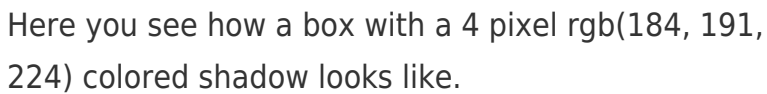
```
.border, #border, table{ border:4px solid rgb(184, 191, 224) }
```



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

```
.border{ border-color:rgb(184, 191, 224) }
```

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



Here you see how a box with a 4 pixel rgb(184, 191, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 191, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 191, 224); box-shadow:4px 4px 4px 4px rgb(184, 191, 224) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8525, 52.8338, 77.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 224) }
```

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

```
.background{ background-color: rgb(184,  
191, 224) }
```

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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