

Converting Colors

XYZ(49.6458, 51.8416, 75.4660)

Have a look what the booklet for
XYZ(49.6458, 51.8416, 75.4660)
contains.

XYZ(49.5864, 51.7122, 75.7746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5864, 51.7122,
75.7746)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BFDD
RGB	176, 191, 221
RGB Percent	69%, 75%, 87%
CMY	0.3098, 0.2510, 0.1333
CMYK	0.20, 0.14, 0.00, 0.13
HSL	220°, 40%, 78%
HSV	220°, 20%, 87%
XYZ	49.5864, 51.7122, 75.7746
YIQ	189.9350, -18.5700, 6.1500

Conversions

Conversions Part 2

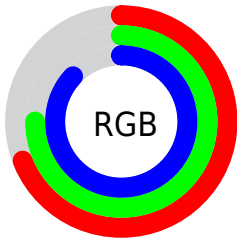
Format	Color
RYB	176, 187, 221
Decimal	11583453
CIELab	77.11, 1.18, -16.70
CIELCh	77, 16.746, 274.047
Yxy	51.7122, 0.2800, 0.2920
Android (android.graphics.Color)	4289773533 (0xFFB0BFDD)
YUV	189.9350, 15.3150, -12.2210
Hunter-Lab	71.9112, -2.7598, -12.1375

Details

The XYZ color **49.5864, 51.7122, 75.7746** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.7269, 62.6492, 50.0199**, and the grayscale version is **48.8297, 51.3727, 55.9448**.

A 20% lighter version of the original color is **84.5895, 90.8973, 107.6943**, and **24.1398, 25.1411, 39.6568** is the 20% darker color. If you saturate the color by 10%, you get **41.9378, 43.2384, 74.5430**, and if you desaturate by 10%, it is **58.3749, 61.2560, 77.1544**.

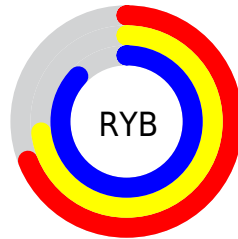
Distribution



Red (69%)

Green (75%)

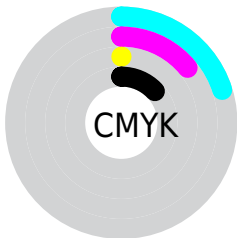
Blue (87%)



Red (69%)

Yellow (73%)

Blue (87%)

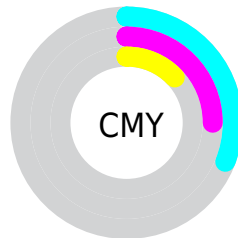


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (31%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5864, 51.7122, 75.7746 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 49.5864, 51.7122, 75.7746 by changing the saturation by 10% instead.

■ 49.5864, 51.7122,
75.7746

■ 49.5864, 51.7122,
75.7746

375.5251,
393.3245, 499.9020

■ 35.3013, 36.7757,
55.7422

■ 88.7573, 92.7067,
129.1654

■ 24.0627, 25.0339,
39.5936

114.3738,
119.5334, 163.3608

■ 15.5051, 16.1023,
26.9105

144.4981,
151.0924, 203.1144

■ 9.2633, 9.5966,
17.2741

179.4957,
187.7680, 248.8445

■ 4.9718, 5.1323,
10.2661

219.7318,
229.9447, 300.9698

■ 2.2653, 2.3251,
5.4679

265.5718,

■ 0.7768, 0.7869,

278.0067, 359.9088

2.4608

317.3811,
332.3385, 426.0800

■ 0.0000, 0.0000,
0.8193

■ 0.0000, 0.0000,
0.0000

■ 49.5864, 51.7122,
75.7746

■ 49.5864, 51.7122,
75.7746

■ 41.9378, 43.2384,
74.5430

■ 58.3749, 61.2560,
77.1544

■ 35.3755, 35.7889,
73.4509

■ 68.3441, 71.9005,
78.6835

■ 29.8485, 29.3241,
72.4944

■ 79.5390, 83.6831,
80.3678

■ 25.2997, 23.7988,
71.6677

■ 88.4561, 94.8101,
82.0455

■ 21.6660, 19.1642,
70.9646

■ 90.0513, 98.0005,
82.5773

■ 18.8761, 15.3661,
70.3786

■ 16.8468, 12.3428,
69.9020

■ 15.4787, 10.0753,
69.5364

Harmonies

Analogous

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



46.5072, 51.7122, 73.6817



49.5864, 51.7122, 75.7746



52.6766, 51.7122, 72.2039

Triad

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



49.5864, 51.7122, 75.7746



54.4270, 51.7122, 47.0055



43.8238, 51.7122, 48.9412

Complementary

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



49.5864, 51.7122, 75.7746



59.7269, 62.6492, 50.0199

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.



45.7861, 51.7122, 42.9315



49.5864, 51.7122, 75.7746



51.8929, 51.7122, 41.9019

Square

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



49.5864, 51.7122, 75.7746



55.5471, 51.7122, 55.0713



48.7179, 51.7122, 40.4948



43.2656, 51.7122, 57.5586

Rectangle

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



49.5864, 51.7122, 75.7746



54.3015, 51.7122, 67.2976



48.7179, 51.7122, 40.4948



44.3367, 51.7122, 46.5812

Sweetspot

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



49.5880, 51.7143, 75.7758



86.4756, 90.8772, 107.5910



54.8116, 65.3638, 67.6445



18.3175, 19.2462, 22.9994



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.



49.5880, 51.7143, 75.7758



64.3449, 66.8590, 104.1215



48.0465, 46.3089, 74.8137



12.6916, 13.3229, 16.5548



9.0851, 6.0396, 40.4253



0.6663, 0.5467, 2.6449

Inverse Universe

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



54.7493, 50.1856, 56.0938



72.6509, 64.6200, 72.3984



61.4984, 69.1822, 51.1875



13.2342, 13.1228, 14.4945



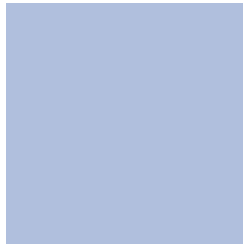
18.0811, 9.2335, 4.8069



1.2106, 0.6139, 0.5180

Previews

White Background



This preview shows how the XYZ color 49.5864, 51.7122, 75.7746 looks on a white background.

Color Contrast Check

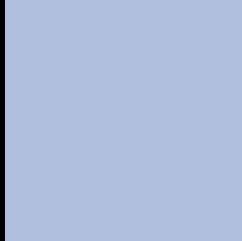
Large Text (above 18pt) WCAG AA × Fail

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 49.5864, 51.7122, 75.7746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

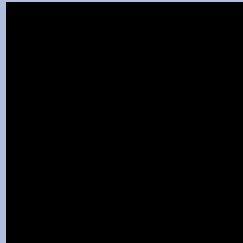
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5864, 51.7122, 75.7746

Background



This preview shows how black text looks on a background with the XYZ color 49.5864, 51.7122, 75.7746.



This preview shows how white text looks on a background with the XYZ color 49.5864, 51.7122,

75.7746.

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

49.5864, 51.7122, 75.7746

Protanopia

50.9914, 51.8240, 74.3333

Deuteranopia

52.7360, 51.7292, 76.3125



Tritanopia

47.9107, 51.6927, 67.1270

Trichromacy



Original Color

49.5864, 51.7122, 75.7746

Protanomaly

50.6231, 51.9393, 75.0673

Deuteranomaly

51.6616, 51.8052, 76.3838

Tritanomaly

48.5391, 51.6173, 70.3556

Monochromacy



Original Color

49.5864, 51.7122, 75.7746

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9637, 51.3582, 62.5908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5864, 51.7122, 75.7746 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(176, 191, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 191, 221)  
}
```

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(176, 191, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 191, 221) }
```

Border

The CSS property to change the border of an element to XYZ 49.5864, 51.7122, 75.7746 is called "border". The border property can be set on classes, ids or directly on the HTML element.

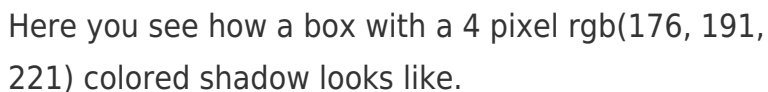
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 191, 221) }
```


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

```
.border{ border-color:rgb(176, 191, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 191, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 191, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 191, 221); box-shadow:4px 4px 4px 4px rgb(176, 191, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5864, 51.7122, 75.7746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 191, 221) }
```

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

```
.background{ background-color: rgb(176,  
191, 221) }
```

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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