

Converting Colors

XYZ(48.0370, 50.1752, 65.7028)

Have a look what the booklet for
XYZ(48.0370, 50.1752, 65.7028)
contains.

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Color

**XYZ(47.9462, 50.1260,
65.5408)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BCCE
RGB	180, 188, 206
RGB Percent	71%, 74%, 81%
CMY	0.2941, 0.2627, 0.1922
CMYK	0.13, 0.09, 0.00, 0.19
HSL	222°, 21%, 76%
HSV	222°, 13%, 81%
XYZ	47.9462, 50.1260, 65.5408
YIQ	187.6600, -10.5460, 3.9020

Conversions

Conversions Part 2

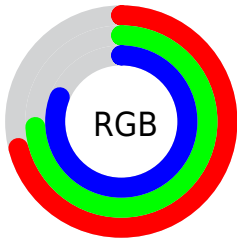
Format	Color
R_{YB}	180, 186, 206
Decimal	11844814
CIE _{Lab}	76.15, 0.84, -9.99
CIE _{LCh}	76, 10.030, 274.804
Yxy	50.1260, 0.2930, 0.3064
Android (android.graphics.Color)	4290034894 (0xFFB4BCCE)
YUV	187.6600, 9.0416, -6.7178
Hunter-Lab	70.7997, -3.0177, -5.3262

Details

The XYZ color **47.9462, 50.1260, 65.5408** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.8862, 56.8050, 51.3053**, and the grayscale version is **47.5630, 50.0400, 54.4936**.

A 20% lighter version of the original color is **84.9928, 89.7542, 107.4524**, and **23.0839, 24.1070, 33.1422** is the 20% darker color. If you saturate the color by 10%, you get **40.6054, 42.0419, 64.3681**, and if you desaturate by 10%, it is **56.3037, 59.1837, 66.8494**.

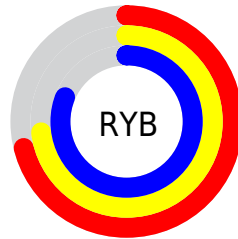
Distribution



Red (71%)

Green (74%)

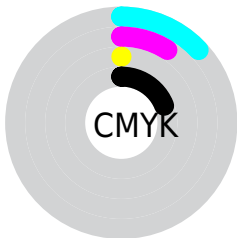
Blue (81%)



Red (71%)

Yellow (73%)

Blue (81%)

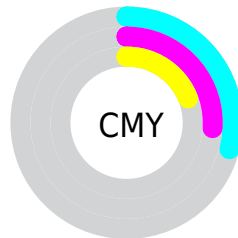


Cyan (13%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (29%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9462, 50.1260, 65.5408 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 47.9462, 50.1260, 65.5408 by changing the saturation by 10% instead.

■ 47.9462, 50.1260,
65.5408

■ 47.9462, 50.1260,
65.5408

369.1650,
387.1585, 463.0921

■ 33.9954, 35.5135,
47.4456

■ 86.3345, 90.3615,
114.4477

■ 23.0529, 24.0587,
33.0312

111.5026,
116.7534, 146.0965

■ 14.7535, 15.3772,
21.8790

141.1406,
147.8405, 183.1003

■ 8.7317, 9.0845,
13.5706

175.6137,
184.0072, 225.8775

■ 4.6223, 4.7964,
7.6873

215.2873,
225.6380, 274.8468

■ 2.0599, 2.1283,
3.8106

260.5269,

■ 0.6673, 0.6805,

273.1172, 330.4266

1.5220

311.6976,
326.8292, 393.0355

■ 0.0000, 0.0000,
0.2343

■ 0.0000, 0.0000,
0.0000

■ 47.9462, 50.1260,
65.5408

■ 47.9462, 50.1260,
65.5408

■ 40.6054, 42.0419,
64.3681

■ 56.3037, 59.1837,
66.8494

■ 34.2368, 34.8917,
63.3236

■ 65.7113, 69.2405,
68.2947

■ 28.7993, 28.6418,
62.4039

■ 76.2060, 80.3289,
69.8819

■ 24.2466, 23.2544,
61.6040

■ 85.0460, 91.0468,
71.4847

■ 20.5286, 18.6885,
60.9186

■ 88.1407, 97.2363,
72.5163

■ 17.5896, 14.8995,
60.3422

■ 15.3665, 11.8381,
59.8684

■ 13.7850, 9.4475,
59.4903

■ 12.9408, 8.0565,
59.2663

Harmonies

Analogous

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



46.1232, 50.1260, 64.4766



47.9462, 50.1260, 65.5408



49.7332, 50.1260, 63.5139

Triad

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



47.9462, 50.1260, 65.5408



50.6688, 50.1260, 48.8887



44.4514, 50.1260, 50.2954

Complementary

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



47.9462, 50.1260, 65.5408



53.8862, 56.8050, 51.3053

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.



45.6127, 50.1260, 46.5234



47.9462, 50.1260, 65.5408



49.1964, 50.1260, 45.7494

Square

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



47.9462, 50.1260, 65.5408



51.3312, 50.1260, 53.7175



47.3416, 50.1260, 44.9126



44.1364, 50.1260, 55.4490

Rectangle

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



47.9462, 50.1260, 65.5408



50.6540, 50.1260, 60.7559



47.3416, 50.1260, 44.9126



44.7542, 50.1260, 48.8350

Sweetspot

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



47.9477, 50.1281, 65.5419



89.1853, 93.6941, 107.9920



51.0607, 57.9133, 61.7732



18.8599, 19.8069, 23.0790



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.



47.9477, 50.1281, 65.5419



74.4786, 77.7085, 105.6815



47.4141, 47.3850, 65.0406



10.8787, 11.3979, 14.1970



8.0446, 5.1131, 36.5192



0.4826, 0.3990, 1.9065

Inverse Universe

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



50.8531, 49.3963, 54.4336



80.0648, 76.3875, 84.3045



54.4606, 59.8887, 51.8703



11.3521, 11.2696, 12.3890



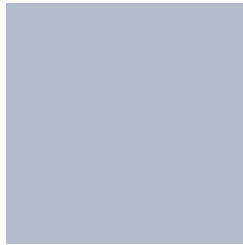
16.2714, 8.3192, 3.8821



0.8736, 0.4428, 0.3800

Previews

White Background



This preview shows how the XYZ color 47.9462, 50.1260, 65.5408 looks on a white background.

Color Contrast Check

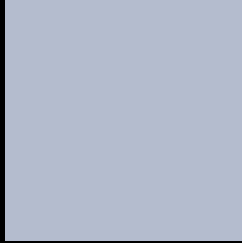
Large Text (above 18pt) WCAG AA × Fail

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 47.9462, 50.1260, 65.5408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

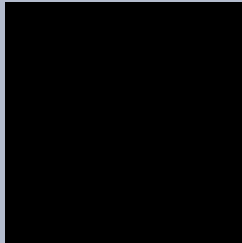
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

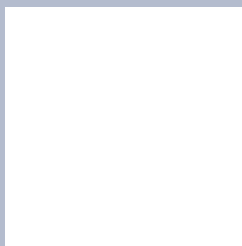
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9462, 50.1260, 65.5408

Background



This preview shows how black text looks on a background with the XYZ color 47.9462, 50.1260, 65.5408.



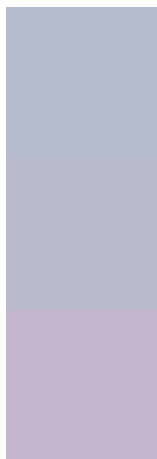
This preview shows how white text looks on a background with the XYZ color 47.9462, 50.1260,

65.5408.

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

47.9462, 50.1260, 65.5408

Protanopia

48.8281, 49.9647, 64.8282

Deuteranopia

51.0164, 49.8312, 65.9610



Tritanopia

47.5851, 49.9815, 63.6393

Trichromacy



Original Color

47.9462, 50.1260, 65.5408

Protanomaly

48.5569, 50.1388, 64.8761

Deuteranomaly

49.8888, 49.8623, 66.0265

Tritanomaly

47.7047, 50.0294, 64.2691

Monochromacy



Original Color

47.9462, 50.1260, 65.5408

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8411, 50.2209, 58.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9462, 50.1260, 65.5408 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(180, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 206)  
}
```

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(180, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 206) }
```

Border

The CSS property to change the border of an element to XYZ 47.9462, 50.1260, 65.5408 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(180, 188, 206) }
```


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

```
.border{ border-color:rgb(180, 188, 206) }
```

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

Here you see how a box with a 4 pixel rgb(180, 188, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9462, 50.1260, 65.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 206) }
```

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

```
.background{ background-color: rgb(180,  
188, 206) }
```

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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