

Converting Colors

XYZ(48.0968, 50.9851, 63.4421)

Have a look what the booklet for
XYZ(48.0968, 50.9851, 63.4421)
contains.

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Color

**XYZ(47.8965, 50.7945,
63.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BECA
RGB	180, 190, 202
RGB Percent	71%, 75%, 79%
CMY	0.2941, 0.2549, 0.2078
CMYK	0.11, 0.06, 0.00, 0.21
HSL	213°, 17%, 75%
HSV	213°, 11%, 79%
XYZ	47.8965, 50.7945, 63.1570
YIQ	188.3780, -9.8120, 1.6120

Conversions

Conversions Part 2

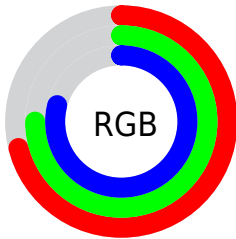
Format	Color
R _Y B	180, 187, 202
Decimal	11845322
CIE Lab	76.55, -1.06, -7.22
CIE LCh	77, 7.296, 261.682
Yxy	50.7945, 0.2959, 0.3138
Android (android.graphics.Color)	4290035402 (0xFFB4BECA)
YUV	188.3780, 6.7156, -7.3475
Hunter-Lab	71.2703, -4.7637, -2.6514

Details

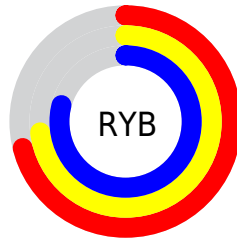
The XYZ color **47.8965, 50.7945, 63.1570** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4451, 53.5507, 50.8057**, and the grayscale version is **47.9831, 50.4819, 54.9748**.

A 20% lighter version of the original color is **85.5978, 90.9644, 107.6541**, and **23.0434, 24.5415, 31.5394** is the 20% darker color. If you saturate the color by 10%, you get **41.2362, 43.9532, 62.1883**, and if you desaturate by 10%, it is **55.4254, 58.3541, 64.2201**.

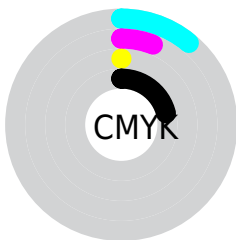
Distribution



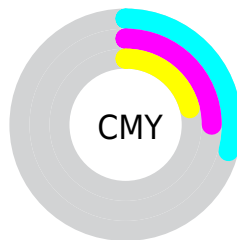
- Red (71%)
- Green (75%)
- Blue (79%)



- Red (71%)
- Yellow (73%)
- Blue (79%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8965, 50.7945, 63.1570 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 47.8965, 50.7945, 63.1570 by changing the saturation by 10% instead.

■ 47.8965, 50.7945,
63.1570

■ 47.8965, 50.7945,
63.1570

368.9712,
389.7648, 454.2627

■ 33.9558, 36.0451,
45.5264

■ 86.2609, 91.3509,
110.9837

■ 23.0224, 24.4690,
31.5263

111.4154,
117.9268, 142.0170

■ 14.7308, 15.6819,
20.7381

141.0385,
149.2135, 178.3549

■ 8.7158, 9.2993,
12.7433

175.4956,
185.5955, 220.4159

■ 4.6119, 4.9369,
7.1234

215.1521,
227.4573, 268.6187

■ 2.0538, 2.2103,
3.4598

260.3732,

■ 0.6639, 0.7256,

275.1832, 323.3817

1.3339

311.5245,
329.1576, 385.1235

■ 0.0000, 0.0000,
0.0894

■ 0.0000, 0.0000,
0.0000

■ 47.8965, 50.7945,
63.1570

■ 47.8965, 50.7945,
63.1570

■ 41.2362, 43.9532,
62.1883

■ 55.4254, 58.3541,
64.2201

■ 35.4067, 37.8006,
61.3080

■ 63.8502, 66.6475,
65.3769

■ 30.3736, 32.3143,
60.5143

■ 73.2020, 75.6978,
66.6309

■ 26.0984, 27.4683,
59.8043

■ 81.3426, 84.4079,
67.8830

■ 22.5391, 23.2341,
59.1746

■ 84.5781, 90.8789,
68.9615

■ 19.6492, 19.5811,
58.6218

■ 87.6608, 97.0443,
69.9891

■ 17.3759, 16.4749,
58.1420

■ 15.6574, 13.8760,
57.7310

■ 14.4746, 11.8919,
57.4104

Harmonies

Analogous

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



46.6550, 50.7945, 61.4741



47.8965, 50.7945, 63.1570



49.2638, 50.7945, 62.6591

Triad

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



47.8965, 50.7945, 63.1570



50.7820, 50.7945, 52.5511



46.2302, 50.7945, 50.7354

Complementary

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



47.8965, 50.7945, 63.1570



51.4451, 53.5507, 50.8057

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.



47.3067, 50.7945, 48.5529



47.8965, 50.7945, 63.1570



49.9396, 50.7945, 49.5660

Square

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



47.8965, 50.7945, 63.1570



50.9472, 50.7945, 56.4112



48.6628, 50.7945, 48.1352



45.7050, 50.7945, 54.2165

Rectangle

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



47.8965, 50.7945, 63.1570



50.0615, 50.7945, 61.1674



48.6628, 50.7945, 48.1352



46.5386, 50.7945, 49.8326

Sweetspot

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



47.8980, 50.7966, 63.1581



90.9749, 95.9450, 108.3321



49.4286, 55.7392, 57.8688



19.2443, 20.3084, 23.1556



0.0000, 0.0000, 0.0000



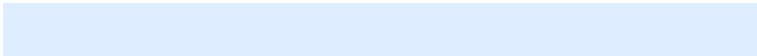
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8980, 50.7966, 63.1581



78.3901, 83.2495, 106.5449



45.9764, 46.6992, 62.4685



11.0149, 11.6702, 14.2424



9.4008, 7.8255, 36.9713



0.5605, 0.5547, 1.9325

Inverse Universe

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



49.9738, 48.9178, 55.5259



82.5962, 79.5328, 91.0596



53.5187, 57.9917, 51.5537



11.4209, 11.2971, 12.7509



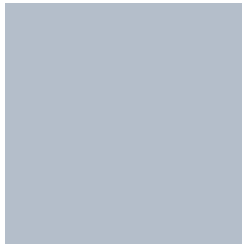
16.9560, 8.5930, 7.4869



0.9128, 0.4585, 0.5869

Previews

White Background



This preview shows how the XYZ color 47.8965, 50.7945, 63.1570 looks on a white background.

Color Contrast Check

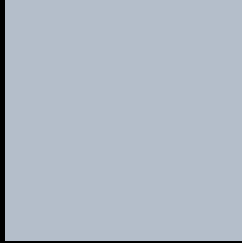
Large Text (above 18pt) WCAG AA × Fail

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 47.8965, 50.7945, 63.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

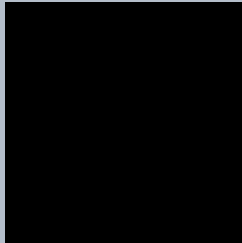
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8965, 50.7945, 63.1570

Background



This preview shows how black text looks on a background with the XYZ color 47.8965, 50.7945, 63.1570.

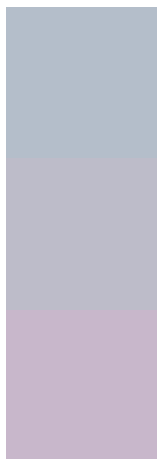


This preview shows how white text looks on a background with the XYZ color 47.8965, 50.7945,

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

47.8965, 50.7945, 63.1570

Protanopia

49.5121, 51.0023, 62.4932

Deuteranopia

51.5324, 50.4581, 63.5233



Tritanopia

48.2553, 50.9380, 65.0463

Trichromacy



Original Color

47.8965, 50.7945, 63.1570

Protanomaly

48.9899, 51.0513, 62.5302

Deuteranomaly

50.3307, 50.7671, 63.6462

Tritanomaly

48.1349, 50.8898, 64.4125

Monochromacy



Original Color

47.8965, 50.7945, 63.1570

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8308, 50.5597, 57.6901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8965, 50.7945, 63.1570 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, 190, 202)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 202)  
}
```

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, 190, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 202) }
```

Border

The CSS property to change the border of an element to XYZ 47.8965, 50.7945, 63.1570 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, 190, 202) }
```


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

```
.border{ border-color:rgb(180, 190, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 190, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 190, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 190, 202);  
box-shadow:4px 4px 4px 4px rgb(180, 190,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8965, 50.7945, 63.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 190, 202) }
```

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

```
.background{ background-color: rgb(180,  
190, 202) }
```

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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