

Converting Colors

XYZ(47.9487, 51.4048, 63.6350)

Have a look what the booklet for
XYZ(47.9487, 51.4048, 63.6350)
contains.

XYZ(47.9892, 51.4760, 63.9065)	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(47.9892, 51.4760,
63.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C0CB
RGB	178, 192, 203
RGB Percent	70%, 75%, 80%
CMY	0.3020, 0.2470, 0.2039
CMYK	0.12, 0.05, 0.00, 0.20
HSL	206°, 19%, 75%
HSV	206°, 12%, 80%
XYZ	47.9892, 51.4760, 63.9065
YIQ	189.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

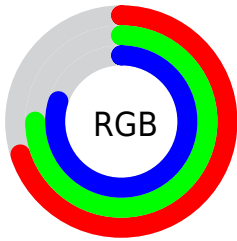
Format	Color
RYB	178, 187, 203
Decimal	11714763
CIELab	76.97, -2.58, -7.17
CIELCh	77, 7.614, 250.233
Yxy	51.4760, 0.2937, 0.3151
Android (android.graphics.Color)	4289904843 (0xFFB2C0CB)
YUV	189.0680, 6.8685, -9.7066
Hunter-Lab	71.7468, -6.1637, -2.5882

Details

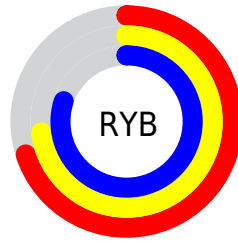
The XYZ color **47.9892, 51.4760, 63.9065** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.8624, 52.3059, 49.5357**, and the grayscale version is **48.3767, 50.8960, 55.4258**.

A 20% lighter version of the original color is **85.5491, 91.8472, 107.8271**, and **23.1149, 24.9951, 32.0400** is the 20% darker color. If you saturate the color by 10%, you get **41.7704, 45.4483, 63.0716**, and if you desaturate by 10%, it is **55.0193, 58.1013, 64.8156**.

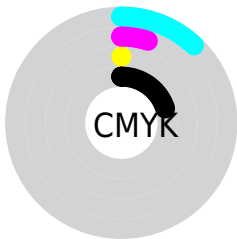
Distribution



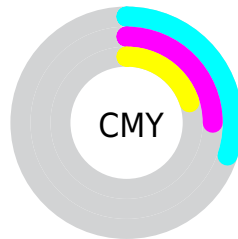
- Red (70%)
- Green (75%)
- Blue (80%)



- Red (70%)
- Yellow (73%)
- Blue (80%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (30%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9892, 51.4760, 63.9065 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 47.9892, 51.4760, 63.9065 by changing the saturation by 10% instead.

■ 47.9892, 51.4760,
63.9065

■ 47.9892, 51.4760,
63.9065

369.3326,
392.4103, 457.0501

■ 34.0295, 36.5876,
46.1292

■ 86.3981, 92.3580,
112.0744

■ 23.0793, 24.8883,
31.9984

111.5781,
119.1203, 143.3022

■ 14.7731, 15.9939,
21.0955

141.2289,
150.6095, 179.8506

■ 8.7456, 9.5198,
13.0019

175.7159,
187.2097, 222.1381

■ 4.6314, 5.0818,
7.2991

215.4044,
229.3056, 270.5832

■ 2.0652, 2.2953,
3.5686

260.6598,

■ 0.6702, 0.7712,

277.2813, 325.6046

1.3918

311.8474,
331.5215, 387.6207

■ 0.0000, 0.0000,
0.1353

■ 0.0000, 0.0000,
0.0000

■ 47.9892, 51.4760,
63.9065

■ 47.9892, 51.4760,
63.9065

■ 41.7704, 45.4483,
63.0716

■ 55.0193, 58.1013,
64.8156

■ 36.3261, 39.9921,
62.3054

■ 62.8865, 65.3363,
65.7975

■ 31.6232, 35.0885,
61.6068

■ 71.6210, 73.2012,
66.8552

■ 27.6245, 30.7148,
60.9733

■ 79.6872, 80.9069,
67.9174

■ 24.2890, 26.8468,
60.4025

■ 82.2037, 85.9400,
68.7562

■ 21.5713, 23.4574,
59.8916

■ 84.8489, 91.2305,
69.6380

■ 19.4193, 20.5163,
59.4373

■ 87.6247, 96.7820,
70.5632

■ 17.7712, 17.9877,
59.0361

■ 87.7797, 97.0919,
70.6149

■ 16.7634, 16.2794,
58.7595

Harmonies

Analogous

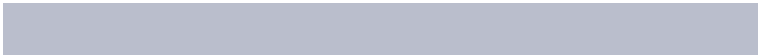
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8279, 51.4760, 61.3676



47.9892, 51.4760, 63.9065



49.4235, 51.4760, 64.2823

Triad

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



47.9892, 51.4760, 63.9065



51.7227, 51.4760, 54.6416



47.1470, 51.4760, 50.1692

Complementary

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



47.9892, 51.4760, 63.9065



50.8624, 52.3059, 49.5357

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.



48.4326, 51.4760, 48.5499



47.9892, 51.4760, 63.9065



51.0866, 51.4760, 51.0462

Square

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



47.9892, 51.4760, 63.9065



51.5983, 51.4760, 58.7936



49.8757, 51.4760, 48.8628



46.3484, 51.4760, 53.3904

Rectangle

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



47.9892, 51.4760, 63.9065



50.3442, 51.4760, 63.2368



49.8757, 51.4760, 48.8628



47.5355, 51.4760, 49.4269

Sweetspot

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



47.9907, 51.4781, 63.9076



89.9817, 95.2870, 108.2574



48.8842, 55.8447, 56.2528



19.0613, 20.2097, 23.1462



0.0000, 0.0000, 0.0000



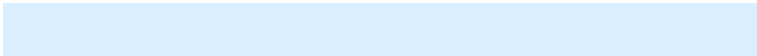
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9907, 51.4781, 63.9076



77.2162, 83.1839, 106.5941



45.3946, 46.2858, 63.0423



11.1142, 11.8688, 14.2755



10.7601, 10.5442, 37.4244



0.6299, 0.6936, 1.9556

Inverse Universe

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



50.0646, 48.3442, 56.5643



81.4467, 76.9402, 91.5813



53.6298, 57.8406, 50.4582



11.4710, 11.3171, 13.0149



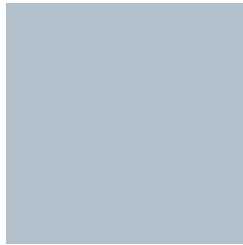
17.6421, 8.8674, 11.0999



0.9479, 0.4726, 0.7715

Previews

White Background



This preview shows how the XYZ color 47.9892, 51.4760, 63.9065 looks on a white background.

Color Contrast Check

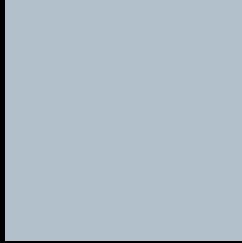
Large Text (above 18pt) WCAG AA × Fail

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 47.9892, 51.4760, 63.9065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

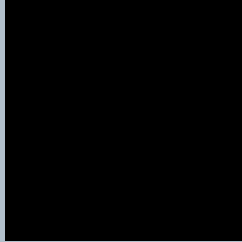
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

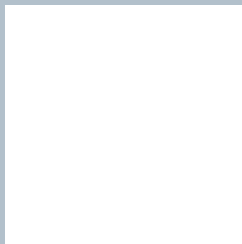
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9892, 51.4760, 63.9065

Background



This preview shows how black text looks on a background with the XYZ color 47.9892, 51.4760, 63.9065.

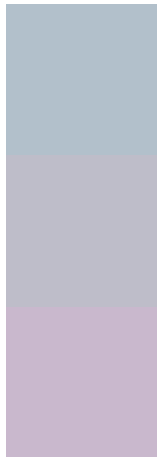


This preview shows how white text looks on a background with the XYZ color 47.9892, 51.4760,

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

47.9892, 51.4760, 63.9065

Protanopia

49.9754, 51.5594, 62.5763

Deuteranopia

52.2473, 51.1063, 64.8684



Tritanopia

48.4837, 51.3503, 66.3877

Trichromacy



Original Color

47.9892, 51.4760, 63.9065

Protanomaly

49.3238, 51.5303, 63.2238

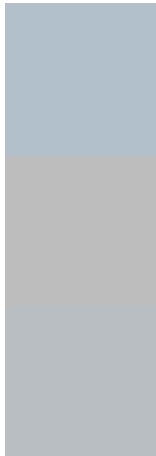
Deuteranomaly

50.6617, 51.2377, 64.3465

Tritanomaly

48.3618, 51.3015, 65.7458

Monochromacy



Original Color

47.9892, 51.4760, 63.9065

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1586, 51.0362, 58.3517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9892, 51.4760, 63.9065 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(178, 192, 203)` looks like.

```
.text, #text, p{  
    color:rgb(178, 192, 203)  
}
```

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(178, 192, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 192, 203) }
```

Border

The CSS property to change the border of an element to XYZ 47.9892, 51.4760, 63.9065 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(178, 192, 203) }
```


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

```
.border{ border-color:rgb(178, 192, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 192, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 192, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 192, 203);  
box-shadow:4px 4px 4px 4px rgb(178, 192,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9892, 51.4760, 63.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 192, 203) }
```

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

```
.background{ background-color: rgb(178,  
192, 203) }
```

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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