

Converting Colors

XYZ(48.1351, 49.3922, 63.0095)

Have a look what the booklet for
XYZ(48.1351, 49.3922, 63.0095)
contains.

XYZ(48.0172, 49.2765, 62.8576)	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(48.0172, 49.2765,
62.8576)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B9CA
RGB	185, 185, 202
RGB Percent	73%, 73%, 79%
CMY	0.2745, 0.2745, 0.2078
CMYK	0.08, 0.08, 0.00, 0.21
HSL	240°, 14%, 76%
HSV	240°, 8%, 79%
XYZ	48.0172, 49.2765, 62.8576
YIQ	186.9380, -5.4570, 5.2870

Conversions

Conversions Part 2

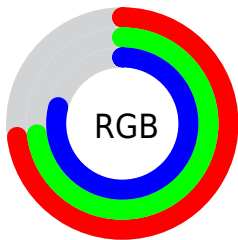
Format	Color
R _Y B	185, 185, 202
Decimal	12171722
CIE Lab	75.62, 3.29, -8.56
CIE LCh	76, 9.172, 291.040
Yxy	49.2765, 0.2998, 0.3077
Android (android.graphics.Color)	4290361802 (0xFFB9B9CA)
YUV	186.9380, 7.4256, -1.6996
Hunter-Lab	70.1972, -0.7453, -3.9528

Details

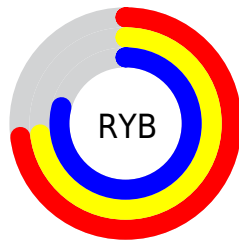
The XYZ color **48.0172, 49.2765, 62.8576** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.2347, 58.2998, 54.2943**, and the grayscale version is **47.1620, 49.6181, 54.0341**.

A 20% lighter version of the original color is **85.7809, 88.8314, 107.2328**, and **23.1123, 23.5462, 31.3437** is the 20% darker color. If you saturate the color by 10%, you get **39.5571, 39.0833, 61.3368**, and if you desaturate by 10%, it is **57.7728, 61.0311, 64.6131**.

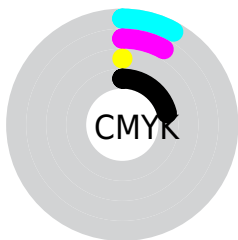
Distribution



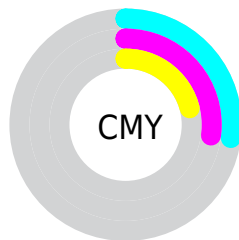
- Red (73%)
- Green (73%)
- Blue (79%)



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



- Cyan (8%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (27%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0172, 49.2765, 62.8576 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 48.0172, 49.2765, 62.8576 by changing the saturation by 10% instead.

■ 48.0172, 49.2765,
62.8576

■ 48.0172, 49.2765,
62.8576

369.4418,
383.8298, 453.1462

■ 34.0518, 34.8389,
45.2858

■ 86.4396, 89.1020,
110.5476

■ 23.0965, 23.5388,
31.3380

111.6272,
115.2586, 141.5029

■ 14.7859, 14.9918,
20.5957

141.2864,
146.0904, 177.7564

■ 8.7546, 8.8137,
12.6405

175.7824,
181.9816, 219.7267

■ 4.6373, 4.6198,
7.0536

215.4806,
223.3168, 267.8323

■ 2.0686, 2.0260,
3.4167

260.7463,

■ 0.6721, 0.6225,

270.4803, 322.4917

1.3111

311.9449,
323.8565, 384.1235

■ 0.0000, 0.0000,
0.0709

■ 0.0000, 0.0000,
0.0000

■ 48.0172, 49.2765,
62.8576

■ 48.0172, 49.2765,
62.8576

■ 39.5571, 39.0833,
61.3368

■ 57.7728, 61.0311,
64.6131

■ 32.3338, 30.3800,
60.0376

■ 68.8704, 74.4023,
66.6090

■ 26.2908, 23.0987,
58.9507

■ 81.3599, 89.4504,
68.8553

■ 21.3653, 17.1639,
58.0647

■ 87.6608, 97.0443,
69.9890

■ 17.4890, 12.4931,
57.3675

■ 14.5857, 8.9946,
56.8452

■ 12.5693, 6.5647,
56.4825

■ 11.3384, 5.0813,
56.2610

■ 10.7360, 4.3552,
56.1526

Harmonies

Analogous

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



46.3294, 49.2765, 63.4250



48.0172, 49.2765, 62.8576



49.4194, 49.2765, 59.7473

Triad

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



48.0172, 49.2765, 62.8576



48.9178, 49.2765, 46.7098



43.6858, 49.2765, 52.2113

Complementary

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



48.0172, 49.2765, 62.8576



54.2347, 58.2998, 54.2943

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.



44.3439, 49.2765, 47.9893



48.0172, 49.2765, 62.8576



47.3459, 49.2765, 44.9414

Square

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



48.0172, 49.2765, 62.8576



49.9480, 49.2765, 50.3679



45.6740, 49.2765, 45.3952



43.8557, 49.2765, 57.0794

Rectangle

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



48.0172, 49.2765, 62.8576



49.9903, 49.2765, 56.7479



45.6740, 49.2765, 45.3952



43.8169, 49.2765, 50.6741

Sweetspot

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



48.0187, 49.2786, 62.8587



89.8996, 93.7944, 107.9737



51.7560, 56.8070, 63.9391



18.9551, 19.7299, 23.0592



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.



48.0187, 49.2786, 62.8587



78.6819, 80.2785, 105.9561



50.0580, 50.3290, 62.9540



10.6019, 10.8443, 14.1048



6.8603, 2.7446, 36.1245



0.3540, 0.1417, 1.8636

Inverse Universe

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



50.4641, 50.7583, 53.0390



83.6113, 83.2611, 86.1627



52.0708, 57.1853, 54.1932



11.2124, 11.2137, 11.6533



15.6737, 8.0801, 0.7343



0.8086, 0.4169, 0.0380

Previews

White Background



This preview shows how the XYZ color 48.0172, 49.2765, 62.8576 looks on a white background.

Color Contrast Check

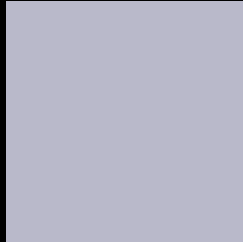
Large Text (above 18pt) WCAG AA × Fail

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 48.0172, 49.2765, 62.8576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

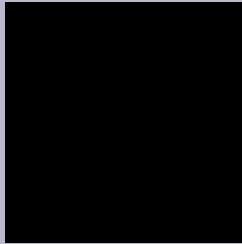
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0172, 49.2765, 62.8576

Background



This preview shows how black text looks on a background with the XYZ color 48.0172, 49.2765, 62.8576.

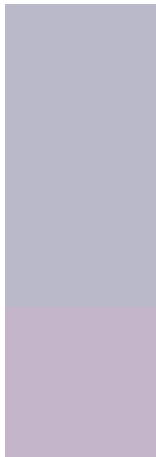


This preview shows how white text looks on a background with the XYZ color 48.0172, 49.2765,

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

48.0172, 49.2765, 62.8576

Protanopia

48.0172, 49.2765, 62.8576

Deuteranopia

50.3293, 49.2299, 63.3496



Tritanopia

47.7819, 49.1823, 61.6183

Trichromacy



Original Color

48.0172, 49.2765, 62.8576

Protanomaly

48.0172, 49.2765, 62.8576

Deuteranomaly

49.4998, 49.1052, 63.3692

Tritanomaly

47.8992, 49.2293, 62.2360

Monochromacy



Original Color

48.0172, 49.2765, 62.8576

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3230, 49.3627, 56.9029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0172, 49.2765, 62.8576 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(185, 185, 202)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 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(185, 185, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.0172, 49.2765, 62.8576 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(185, 185, 202) }
```


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

```
.border{ border-color:rgb(185, 185, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 202);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0172, 49.2765, 62.8576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 202) }
```

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

```
.background{ background-color: rgb(185,  
185, 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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