

Converting Colors

XYZ(48.7892, 49.8871, 64.2989)

Have a look what the booklet for
XYZ(48.7892, 49.8871, 64.2989)
contains.

XYZ(48.7077, 49.9165, 64.1944)	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(48.7077, 49.9165,
64.1944)**

Conversions

Conversions Part 1

Format	Color
Hex	BABACC
RGB	186, 186, 204
RGB Percent	73%, 73%, 80%
CMY	0.2706, 0.2706, 0.2000
CMYK	0.09, 0.09, 0.00, 0.20
HSL	240°, 15%, 76%
HSV	240°, 9%, 80%
XYZ	48.7077, 49.9165, 64.1944
YIQ	188.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

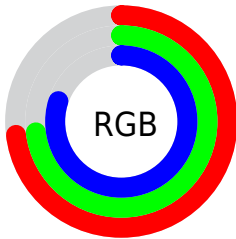
Format	Color
R _Y B	186, 186, 204
Decimal	12237516
CIE Lab	76.02, 3.49, -9.05
CIE LCh	76, 9.701, 291.086
Yxy	49.9165, 0.2992, 0.3066
Android (android.graphics.Color)	4290427596 (0xFFBABACC)
YUV	188.0520, 7.8624, -1.7996
Hunter-Lab	70.6516, -0.5812, -4.4151

Details

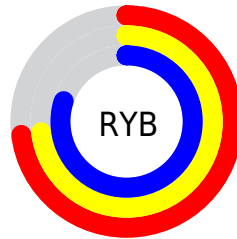
The XYZ color **48.7077, 49.9165, 64.1944** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.3579, 59.5680, 55.0355**, and the grayscale version is **47.7898, 50.2786, 54.7534**.

A 20% lighter version of the original color is **86.4201, 89.6015, 107.3477**, and **23.5654, 23.9636, 32.2376** is the 20% darker color. If you saturate the color by 10%, you get **40.1066, 39.5533, 62.6482**, and if you desaturate by 10%, it is **58.6327, 61.8754, 65.9804**.

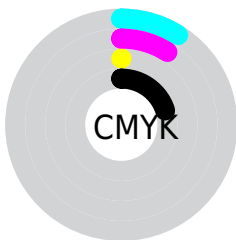
Distribution



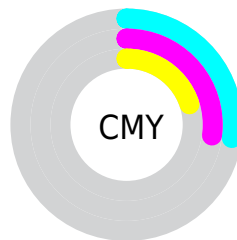
- Red (73%)
- Green (73%)
- Blue (80%)



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



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (27%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7077, 49.9165, 64.1944 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 48.7077, 49.9165, 64.1944 by changing the saturation by 10% instead.

■ 48.7077, 49.9165,
64.1944

■ 48.7077, 49.9165,
64.1944

372.1265,
386.3393, 458.1180

■ 34.6012, 35.3471,
46.3610

■ 87.4605, 90.0511,
112.4930

■ 23.5209, 23.9303,
32.1800

112.8376,
116.3851, 143.7953

■ 15.1014, 15.2820,
21.2331

142.7022,
147.4094, 180.4242

■ 8.9774, 9.0175,
13.1016

177.4198,
183.5084, 222.7984

■ 4.7834, 4.7526,
7.3670

217.3556,
225.0665, 271.3363

■ 2.1542, 2.1028,
3.6107

262.8752,

■ 0.7184, 0.6662,

272.4681, 326.4565

1.4143

314.3437,
326.0976, 388.5776

■ 0.0000, 0.0000,
0.1529

■ 0.0000, 0.0000,
0.0000

■ 48.7077, 49.9165,
64.1944

■ 48.7077, 49.9165,
64.1944

■ 40.1066, 39.5533,
62.6482

■ 58.6327, 61.8754,
65.9804

■ 32.7692, 30.7125,
61.3285

■ 69.9296, 75.4868,
68.0122

■ 26.6375, 23.3243,
60.2256

■ 82.6493, 90.8126,
70.3000

■ 21.6470, 17.3110,
59.3279

■ 87.8992, 97.1397,
71.2445

■ 17.7271, 12.5878,
58.6229

■ 14.7997, 9.0603,
58.0963

■ 12.7759, 6.6215,
57.7322

■ 11.5509, 5.1453,
57.5118

■ 10.9556, 4.4279,
57.4047

Harmonies

Analogous

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



46.9067, 49.9165, 64.8078



48.7077, 49.9165, 64.1944



50.2049, 49.9165, 60.8573

Triad

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



48.7077, 49.9165, 64.1944



49.6648, 49.9165, 46.9559



44.0872, 49.9165, 52.8202

Complementary

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



48.7077, 49.9165, 64.1944



55.3579, 59.5680, 55.0355

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.



44.7865, 49.9165, 48.3250



48.7077, 49.9165, 64.1944



47.9856, 49.9165, 45.0835

Square

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



48.7077, 49.9165, 64.1944



50.7672, 49.9165, 50.8418



46.2026, 49.9165, 45.5683



44.2694, 49.9165, 58.0172

Rectangle

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



48.7077, 49.9165, 64.1944



50.8144, 49.9165, 57.6470



46.2026, 49.9165, 45.5683



44.2263, 49.9165, 51.1823

Sweetspot

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



48.7092, 49.9186, 64.1955



89.8995, 93.7942, 107.9736



52.7066, 57.9710, 65.3506



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.



48.7092, 49.9186, 64.1955



77.1692, 78.4555, 105.6839



50.8872, 51.0407, 64.2973



10.6019, 10.8442, 14.1047



6.8602, 2.7445, 36.1244



0.3540, 0.1417, 1.8636

Inverse Universe

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



51.3248, 51.5015, 53.6924



82.5541, 81.7143, 84.0608



53.0400, 58.3739, 54.9272



11.2124, 11.2137, 11.6532



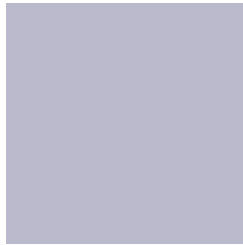
15.6736, 8.0800, 0.7341



0.8086, 0.4168, 0.0380

Previews

White Background



This preview shows how the XYZ color 48.7077, 49.9165, 64.1944 looks on a white background.

Color Contrast Check

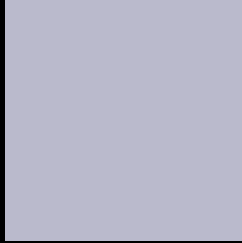
Large Text (above 18pt) WCAG AA × Fail

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 48.7077, 49.9165, 64.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

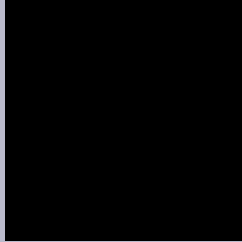
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7077, 49.9165, 64.1944

Background



This preview shows how black text looks on a background with the XYZ color 48.7077, 49.9165, 64.1944.

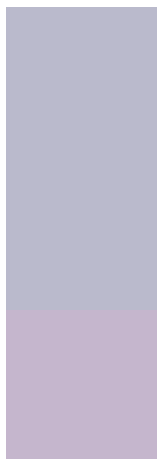


This preview shows how white text looks on a background with the XYZ color 48.7077, 49.9165,

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

48.7077, 49.9165, 64.1944

Protanopia

48.7077, 49.9165, 64.1944

Deuteranopia

50.7734, 49.7340, 64.6812



Tritanopia

48.3512, 49.7740, 62.3173

Trichromacy



Original Color

48.7077, 49.9165, 64.1944

Protanomaly

48.7077, 49.9165, 64.1944

Deuteranomaly

49.9453, 49.6122, 64.7013

Tritanomaly

48.4693, 49.8212, 62.9390

Monochromacy



Original Color

48.7077, 49.9165, 64.1944

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0014, 50.0005, 58.1600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7077, 49.9165, 64.1944 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(186, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 204)  
}
```

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(186, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.7077, 49.9165, 64.1944 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(186, 186, 204) }
```


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

```
.border{ border-color:rgb(186, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7077, 49.9165, 64.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 204) }
```

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

```
.background{ background-color: rgb(186,  
186, 204) }
```

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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