

Converting Colors

XYZ(48.7949, 47.1901, 58.7800)

Have a look what the booklet for
XYZ(48.7949, 47.1901, 58.7800)
contains.

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Color

**XYZ(48.7778, 47.0420,
58.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B0C4
RGB	198, 176, 196
RGB Percent	78%, 69%, 77%
CMY	0.2235, 0.3098, 0.2314
CMYK	0.00, 0.11, 0.01, 0.22
HSL	305°, 16%, 73%
HSV	305°, 11%, 78%
XYZ	48.7778, 47.0420, 58.7337
YIQ	184.8580, 6.6920, 10.8840

Conversions

Conversions Part 2

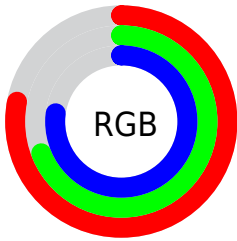
Format	Color
R _Y B	198, 176, 196
Decimal	13021380
CIE Lab	74.22, 11.45, -7.26
CIE LCh	74, 13.555, 327.612
Yxy	47.0420, 0.3156, 0.3044
Android (android.graphics.Color)	4291211460 (0xFFC6B0C4)
YUV	184.8580, 5.4930, 11.5255
Hunter-Lab	68.5872, 6.9180, -2.7612

Details

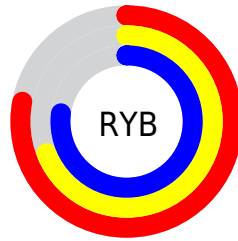
The XYZ color **48.7778, 47.0420, 58.7337** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1362, 52.8338, 49.8882**, and the grayscale version is **46.0042, 48.4000, 52.7076**.

A 20% lighter version of the original color is **87.8262, 86.0651, 104.9118**, and **23.4670, 22.0482, 28.6101** is the 20% darker color. If you saturate the color by 10%, you get **44.9720, 39.7557, 56.4607**, and if you desaturate by 10%, it is **53.1550, 55.4659, 61.2104**.

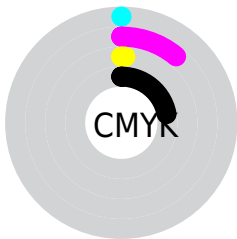
Distribution



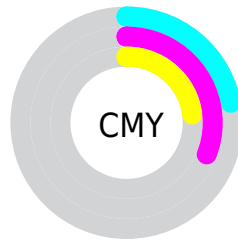
- Red (78%)
- Green (69%)
- Blue (77%)



- Red (78%)
- Yellow (69%)
- Blue (77%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (22%)





- Cyan (22%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7778, 47.0420, 58.7337 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 48.7778, 47.0420, 58.7337 by changing the saturation by 10% instead.

 48.7778, 47.0420,
58.7337

 48.7778, 47.0420,
58.7337


372.3984,
374.9822, 437.5887

 34.6571, 33.0689,
41.9802


 87.5641, 85.7763,
104.5158

 23.5641, 22.1792,
28.7603


112.9603,
111.3063, 134.3815

 15.1336, 13.9886,
18.6556


142.8457,
141.4573, 169.4551

 9.0001, 8.1128,
11.2474

177.5857,
176.6138, 210.1549

 4.7984, 4.1672,
6.1172

217.5456,
217.1601, 256.8997

 2.1630, 1.7675,
2.8465

263.0908,

 0.7231, 0.4668,

263.4807, 310.1079

1.0168

314.5866,
315.9599, 370.1980

■ 0.0000, 0.0000,
0.0000

■ 48.7778, 47.0420,
58.7337

■ 48.7778, 47.0420,
58.7337

■ 44.9720, 39.7557,
56.4607

■ 53.1550, 55.4659,
61.2104

■ 41.7091, 33.5520,
54.3803

■ 58.1225, 65.0670,
63.8955

■ 38.9643, 28.3805,
52.4845

■ 63.7033, 75.8908,
66.7972

■ 36.7093, 24.1847,
50.7641

■ 69.8525, 87.8473,
69.9006

■ 34.9128, 20.9021,
49.2084

■ 70.0686, 87.9338,
71.0387

33.5403, 18.4636,
47.8060

70.2872, 88.0212,
72.1899

32.5521, 16.7899,
46.5436

70.5084, 88.1097,
73.3543

31.9011, 15.7867,
45.4054

70.7320, 88.1991,
74.5320

31.5271, 15.3012,
44.4716

70.9582, 88.2896,
75.7229

Harmonies

Analogous

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



46.9144, 47.0420, 64.0265



48.7778, 47.0420, 58.7337



49.5483, 47.0420, 51.7807

Triad

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



48.7778, 47.0420, 58.7337



44.9071, 47.0420, 38.9724



40.6954, 47.0420, 57.6814

Complementary

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



48.7778, 47.0420, 58.7337



46.1362, 52.8338, 49.8882

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.



40.2011, 47.0420, 50.6648



48.7778, 47.0420, 58.7337



42.5797, 47.0420, 40.2475

Square

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



48.7778, 47.0420, 58.7337



47.2636, 47.0420, 40.7245



40.8787, 47.0420, 44.3774



42.2539, 47.0420, 63.3813

Rectangle

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



48.7778, 47.0420, 58.7337



49.3183, 47.0420, 47.2749



40.8787, 47.0420, 44.3774



40.4018, 47.0420, 55.3803

Sweetspot

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



48.7792, 47.0440, 58.7347



92.5461, 95.1711, 107.5140



44.0423, 44.5756, 59.7093



19.6689, 20.1013, 22.9344



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.



48.7792, 47.0440, 58.7347



84.8899, 80.4503, 103.1382



47.5901, 46.5684, 52.4734



11.0399, 10.7994, 13.1935



20.5193, 9.9573, 29.0082



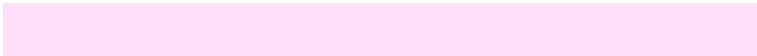
0.9841, 0.4765, 1.4392

Inverse Universe

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



48.7792, 47.0440, 58.7347



84.8899, 80.4503, 103.1382



47.2674, 53.2863, 55.8448



11.0399, 10.7994, 13.1935



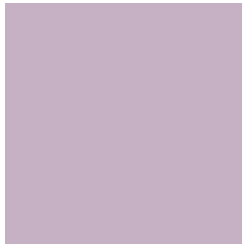
20.5193, 9.9573, 29.0082



0.9841, 0.4765, 1.4392

Previews

White Background



This preview shows how the XYZ color 48.7778, 47.0420, 58.7337 looks on a white background.

Color Contrast Check

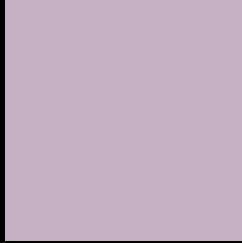
Large Text (above 18pt) WCAG AA × Fail

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 48.7778, 47.0420, 58.7337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

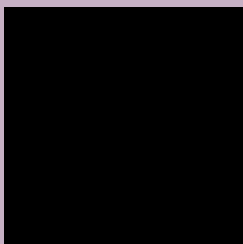
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

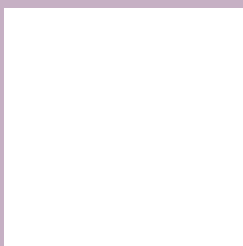
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7778, 47.0420, 58.7337

Background



This preview shows how black text looks on a background with the XYZ color 48.7778, 47.0420, 58.7337.



This preview shows how white text looks on a background with the XYZ color 48.7778, 47.0420,

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

48.7778, 47.0420, 58.7337

Protanopia

45.8887, 46.9950, 60.6852

Deuteranopia

47.9341, 46.8991, 58.7506



Tritanopia

48.1521, 47.0762, 55.8389

Trichromacy



Original Color

48.7778, 47.0420, 58.7337

Protanomaly

46.8067, 46.8822, 60.0083

Deuteranomaly

48.1916, 47.0319, 58.7626

Tritanomaly

48.3737, 47.1649, 57.0062

Monochromacy



Original Color

48.7778, 47.0420, 58.7337

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1485, 48.0772, 54.9389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7778, 47.0420, 58.7337 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(198, 176, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 176, 196)  
}
```

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(198, 176, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 176, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.7778, 47.0420, 58.7337 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(198, 176, 196) }
```


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

```
.border{ border-color:rgb(198, 176, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 176, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 176, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 176, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 176,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7778, 47.0420, 58.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 176, 196) }
```

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

```
.background{ background-color: rgb(198,  
176, 196) }
```

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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