

Converting Colors

XYZ(49.2649, 47.9902, 58.6642)

Have a look what the booklet for
XYZ(49.2649, 47.9902, 58.6642)
contains.

XYZ(49.1729, 47.8321, 58.8654)	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(49.1729, 47.8321,
58.8654)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B2C4
RGB	198, 178, 196
RGB Percent	78%, 70%, 77%
CMY	0.2235, 0.3019, 0.2314
CMYK	0.00, 0.10, 0.01, 0.22
HSL	306°, 15%, 74%
HSV	306°, 10%, 78%
XYZ	49.1729, 47.8321, 58.8654
YIQ	186.0320, 6.1420, 9.8380

Conversions

Conversions Part 2

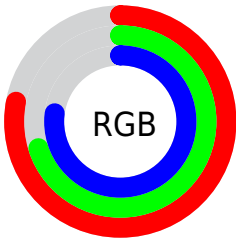
Format	Color
R _Y B	198, 178, 196
Decimal	13021892
CIE Lab	74.72, 10.36, -6.52
CIE LCh	75, 12.239, 327.829
Yxy	47.8321, 0.3155, 0.3069
Android (android.graphics.Color)	4291211972 (0xFFC6B2C4)
YUV	186.0320, 4.9142, 10.4959
Hunter-Lab	69.1608, 5.8812, -2.0515

Details

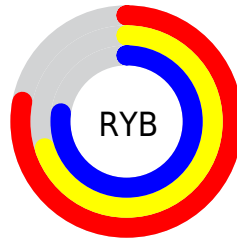
The XYZ color **49.1729, 47.8321, 58.8654** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.7942, 53.1497, 50.9751**, and the grayscale version is **46.6622, 49.0922, 53.4614**.

A 20% lighter version of the original color is **88.3924, 87.1975, 105.1005**, and **23.7177, 22.5495, 28.6936** is the 20% darker color. If you saturate the color by 10%, you get **45.2908, 40.4255, 56.4671**, and if you desaturate by 10%, it is **53.6294, 56.3813, 61.4710**.

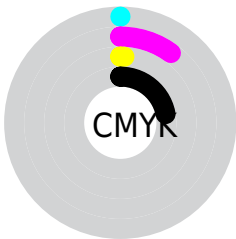
Distribution



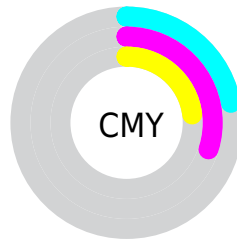
- Red (78%)
- Green (70%)
- Blue (77%)



- Red (78%)
- Yellow (70%)
- Blue (77%)



- Cyan (0%)
- Magenta (10%)
- Yellow (1%)
- Black (22%)



- Cyan (22%)
- Magenta (30%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1729, 47.8321, 58.8654 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 49.1729, 47.8321, 58.8654 by changing the saturation by 10% instead.

■ 49.1729, 47.8321,
58.8654

■ 49.1729, 47.8321,
58.8654

373.9283,
378.1262, 438.0909

■ 34.9718, 33.6939,
42.0855

■ 88.1474, 86.9544,
104.7092

■ 23.8075, 22.6586,
28.8422

113.6514,
112.7073, 134.6102

■ 15.3149, 14.3416,
18.7169

143.6538,
143.1005, 169.7219

■ 9.1284, 8.3586,
11.2912

178.5199,
178.5186, 210.4629

■ 4.8828, 4.3253,
6.1464

218.6150,
219.3458, 257.2518

■ 2.2127, 1.8571,
2.8641

264.3045,

■ 0.7494, 0.5224,

265.9665, 310.5071

1.0257

315.9538,
318.7652, 370.6473

■ 0.0000, 0.0000,
0.0000

■ 49.1729, 47.8321,
58.8654

■ 49.1729, 47.8321,
58.8654

■ 45.2908, 40.4255,
56.4671

■ 53.6294, 56.3813,
61.4710

■ 41.9546, 34.1067,
54.2648

■ 58.6790, 66.1124,
64.2885

■ 39.1397, 28.8259,
52.2508

■ 64.3444, 77.0707,
67.3261

■ 36.8181, 24.5268,
50.4158

■ 69.9388, 87.8818,
70.3548

■ 34.9588, 21.1479,
48.7493

■ 70.1778, 87.9774,
71.6132

33.5277, 18.6206,
47.2400

70.4198, 88.0742,
72.8877

32.4857, 16.8668,
45.8747

70.6649, 88.1723,
74.1782

31.7866, 15.7941,
44.6380

70.9130, 88.2715,
75.4847

31.3448, 15.2282,
43.5110

71.1642, 88.3720,
76.8074

Harmonies

Analogous

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



47.4850, 47.8321, 63.6579



49.1729, 47.8321, 58.8654



49.8635, 47.8321, 52.5455

Triad

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



49.1729, 47.8321, 58.8654



45.6249, 47.8321, 40.7947



41.7914, 47.8321, 57.9993

Complementary

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



49.1729, 47.8321, 58.8654



46.7942, 53.1497, 50.9751

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.



41.3293, 47.8321, 51.6193



49.1729, 47.8321, 58.8654



43.4991, 47.8321, 42.0004

Square

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



49.1729, 47.8321, 58.8654



47.7740, 47.8321, 42.4029



41.9445, 47.8321, 45.8390



43.2277, 47.8321, 63.1299

Rectangle

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



49.1729, 47.8321, 58.8654



49.6490, 47.8321, 48.4268



41.9445, 47.8321, 45.8390



41.5191, 47.8321, 55.9146

Sweetspot

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



49.1743, 47.8342, 58.8664



92.5349, 95.1666, 107.4551



44.9379, 45.6238, 59.8646



19.6659, 20.1001, 22.9184



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.



49.1743, 47.8342, 58.8664



85.5644, 81.8110, 103.3266



48.0736, 47.3939, 53.0704



11.0356, 10.7976, 13.1708



20.4021, 9.9104, 28.3909



0.9796, 0.4747, 1.4157

Inverse Universe

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



49.1743, 47.8342, 58.8664



85.5644, 81.8110, 103.3266



47.8501, 53.5721, 56.5352



11.0356, 10.7976, 13.1708



20.4021, 9.9104, 28.3909



0.9796, 0.4747, 1.4157

Previews

White Background



This preview shows how the XYZ color 49.1729, 47.8321, 58.8654 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 49.1729, 47.8321, 58.8654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

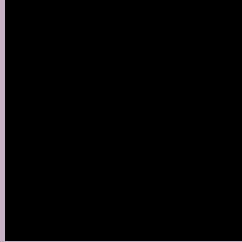
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1729, 47.8321, 58.8654

Background



This preview shows how black text looks on a background with the XYZ color 49.1729, 47.8321, 58.8654.



This preview shows how white text looks on a background with the XYZ color 49.1729, 47.8321,

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

49.1729, 47.8321, 58.8654

Protanopia

46.7707, 48.0578, 60.8438

Deuteranopia

48.8489, 47.9615, 58.9074



Tritanopia

48.7717, 47.9608, 57.1389

Trichromacy



Original Color

49.1729, 47.8321, 58.8654

Protanomaly

47.4560, 47.8163, 60.1544

Deuteranomaly

49.1099, 48.0960, 58.9196

Tritanomaly

48.8837, 48.0056, 57.7285

Monochromacy



Original Color

49.1729, 47.8321, 58.8654

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4630, 48.5318, 55.5812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1729, 47.8321, 58.8654 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, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 178, 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, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 178, 196) }
```

Border

The CSS property to change the border of an element to XYZ 49.1729, 47.8321, 58.8654 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, 178, 196) }
```


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

```
.border{ border-color:rgb(198, 178, 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, 178, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 178,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1729, 47.8321, 58.8654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 178, 196) }
```

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

```
.background{ background-color: rgb(198,  
178, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor