

Converting Colors

XYZ(49.2114, 47.8092, 61.2873)

Have a look what the booklet for
XYZ(49.2114, 47.8092, 61.2873)
contains.

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Color

**XYZ(49.1107, 47.7467,
61.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B2C8
RGB	196, 178, 200
RGB Percent	77%, 70%, 78%
CMY	0.2314, 0.3019, 0.2157
CMYK	0.02, 0.11, 0.00, 0.22
HSL	289°, 17%, 74%
HSV	289°, 11%, 78%
XYZ	49.1107, 47.7467, 61.2712
YIQ	185.8900, 3.6660, 10.6580

Conversions

Conversions Part 2

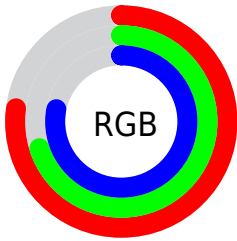
Format	Color
R_{YB}	196, 178, 200
Decimal	12890824
CIE _{Lab}	74.66, 10.42, -8.80
CIE _{LCh}	75, 13.641, 319.828
Yxy	47.7467, 0.3106, 0.3019
Android (android.graphics.Color)	4291080904 (0xFFC4B2C8)
YUV	185.8900, 6.9562, 8.8665
Hunter-Lab	69.0990, 5.9420, -4.2041

Details

The XYZ color **49.1107, 47.7467, 61.2712** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9833, 54.4692, 50.1065**, and the grayscale version is **46.5726, 48.9980, 53.3589**.

A 20% lighter version of the original color is **87.9808, 86.9483, 106.7533**, and **23.6773, 22.4933, 30.2879** is the 20% darker color. If you saturate the color by 10%, you get **44.4838, 39.8796, 59.9973**, and if you desaturate by 10%, it is **54.3435, 56.7901, 62.7417**.

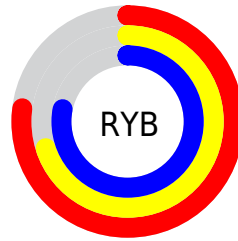
Distribution



Red (77%)

Green (70%)

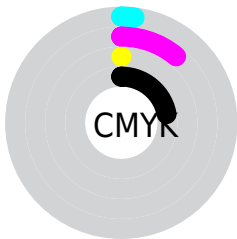
Blue (78%)



Red (77%)

Yellow (70%)

Blue (78%)

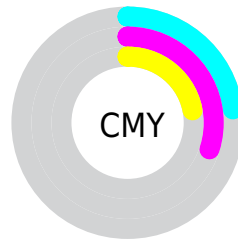


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (22%)



Cyan (23%)

Magenta (30%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1107, 47.7467, 61.2712 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 49.1107, 47.7467, 61.2712 by changing the saturation by 10% instead.

■ 49.1107, 47.7467,
61.2712

■ 49.1107, 47.7467,
61.2712

373.6877,
377.7872, 447.2017

■ 34.9222, 33.6263,
44.0121

■ 88.0556, 86.8271,
108.2329

■ 23.7692, 22.6067,
30.3428

113.5427,
112.5560, 138.7725

■ 15.2863, 14.3034,
19.8446

143.5267,
142.9232, 174.5761

■ 9.1082, 8.3320,
12.0992

178.3729,
178.3130, 216.0621

■ 4.8695, 4.3081,
6.6879

218.4468,
219.1100, 263.6492

■ 2.2049, 1.8474,
3.1922

264.1136,

■ 0.7453, 0.5164,

265.6984, 317.7557

1.1936

315.7388,
318.4627, 378.8004

■ 0.0000, 0.0000,
0.0000

■ 49.1107, 47.7467,
61.2712

■ 49.1107, 47.7467,
61.2712

■ 44.4838, 39.8796,
59.9973

■ 54.3435, 56.7901,
62.7417

■ 40.4335, 33.1325,
58.9084

■ 60.2016, 67.0506,
64.4134

■ 36.9341, 27.4537,
57.9968

■ 66.7088, 78.5748,
66.2948

■ 33.9564, 22.7852,
57.2526

■ 72.9201, 89.4724,
68.0709

■ 31.4686, 19.0630,
56.6652

■ 73.9710, 90.0141,
68.1201

■ 29.4348, 16.2162,
56.2230

■ 75.0455, 90.5681,
68.1704

■ 27.8143, 14.1636,
55.9122

■ 76.1439, 91.1343,
68.2218

■ 26.5588, 12.8084,
55.7168

■ 77.2663, 91.7129,
68.2743

■ 25.6600, 12.0239,
55.6127

■ 78.4129, 92.3040,
68.3280

Harmonies

Analogous

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



47.0129, 47.7467, 65.8709



49.1107, 47.7467, 61.2712



50.2218, 47.7467, 54.4290

Triad

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



49.1107, 47.7467, 61.2712



46.2263, 47.7467, 39.7097



41.0565, 47.7467, 56.7424

Complementary

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



49.1107, 47.7467, 61.2712



47.9833, 54.4692, 50.1065

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.



40.8632, 47.7467, 49.6212



49.1107, 47.7467, 61.2712



43.7889, 47.7467, 40.2072

Square

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



49.1107, 47.7467, 61.2712



48.5170, 47.7467, 42.2666



41.8466, 47.7467, 43.6933



42.3847, 47.7467, 63.0963

Rectangle

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



49.1107, 47.7467, 61.2712



50.2272, 47.7467, 49.6995



41.8466, 47.7467, 43.6933



40.8585, 47.7467, 54.3458

Sweetspot

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



49.1121, 47.7488, 61.2722



92.1480, 94.9529, 108.0788



45.5222, 47.1069, 61.3376



19.5611, 20.0422, 23.0875



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.



49.1121, 47.7488, 61.2722



83.1885, 79.5176, 105.5717



49.3706, 47.9740, 57.1307



10.8867, 10.7154, 13.4120



16.3848, 7.6809, 35.3634



0.8265, 0.3898, 1.6768

Inverse Universe

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



48.1850, 47.4997, 50.8870



81.3081, 79.0175, 84.2763



47.7695, 54.2761, 53.8410



10.7113, 10.6679, 11.4631



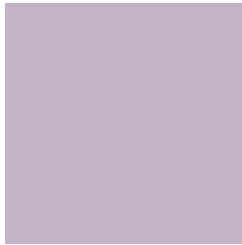
15.3755, 7.8997, 1.9211



0.7527, 0.3839, 0.2208

Previews

White Background



This preview shows how the XYZ color 49.1107, 47.7467, 61.2712 looks on a white background.

Color Contrast Check

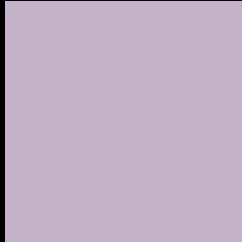
Large Text (above 18pt) WCAG AA × Fail

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 49.1107, 47.7467, 61.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

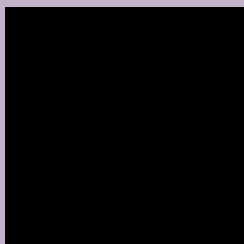
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1107, 47.7467, 61.2712

Background



This preview shows how black text looks on a background with the XYZ color 49.1107, 47.7467, 61.2712.



This preview shows how white text looks on a background with the XYZ color 49.1107, 47.7467,

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

49.1107, 47.7467, 61.2712

Protanopia

46.7690, 48.0025, 63.3003

Deuteranopia

48.7936, 47.8797, 61.3136



Tritanopia

48.2514, 47.6926, 57.1145

Trichromacy



Original Color

49.1107, 47.7467, 61.2712

Protanomaly

47.4342, 47.7511, 62.5939

Deuteranomaly

49.0511, 48.0124, 61.3256

Tritanomaly

48.5896, 47.8278, 58.8953

Monochromacy



Original Color

49.1107, 47.7467, 61.2712

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.5727, 48.5757, 56.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1107, 47.7467, 61.2712 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(196, 178, 200)` looks like.

```
.text, #text, p{  
    color:rgb(196, 178, 200)  
}
```

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(196, 178, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 178, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.1107, 47.7467, 61.2712 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(196, 178, 200) }
```


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

```
.border{ border-color:rgb(196, 178, 200) }
```

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

Here you see how a box with a 4 pixel rgb(196, 178, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 178, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 178, 200);  
box-shadow:4px 4px 4px 4px rgb(196, 178,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1107, 47.7467, 61.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 178, 200) }
```

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

```
.background{ background-color: rgb(196,  
178, 200) }
```

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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