

Converting Colors

XYZ(49.2091, 54.9430, 47.8781)

Have a look what the booklet for
XYZ(49.2091, 54.9430, 47.8781)
contains.

XYZ(49.0497, 54.7217, 48.0215)	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(49.0497, 54.7217,
48.0215)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC7AE
RGB	189, 199, 174
RGB Percent	74%, 78%, 68%
CMY	0.2588, 0.2196, 0.3176
CMYK	0.05, 0.00, 0.13, 0.22
HSL	84°, 18%, 73%
HSV	84°, 13%, 78%
XYZ	49.0497, 54.7217, 48.0215
YIQ	193.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

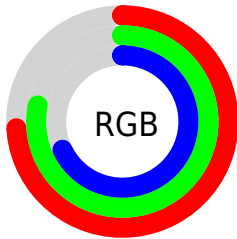
Format	Color
RYB	174, 199, 184
Decimal	12437422
CIELab	78.88, -7.91, 11.35
CIElCh	79, 13.837, 124.890
Yxy	54.7217, 0.3231, 0.3605
Android (android.graphics.Color)	4290627502 (0xFFBDC7AE)
YUV	193.1600, -9.4459, -3.6483
Hunter-Lab	73.9741, -11.0975, 13.2928

Details

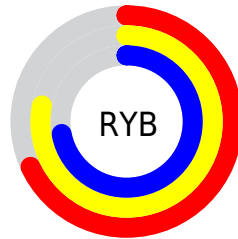
The XYZ color **49.0497, 54.7217, 48.0215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2141, 44.5874, 60.2590**, and the grayscale version is **50.8369, 53.4844, 58.2445**.

A 20% lighter version of the original color is **87.5590, 96.5896, 88.1575**, and **23.7916, 26.8902, 22.3487** is the 20% darker color. If you saturate the color by 10%, you get **45.3309, 53.0140, 38.4595**, and if you desaturate by 10%, it is **53.1675, 56.6051, 59.1049**.

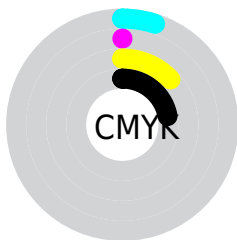
Distribution



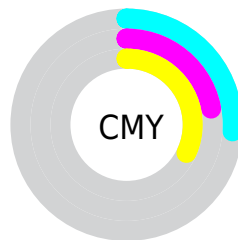
- Red (74%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (72%)



- Cyan (5%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)



- Cyan (26%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0497, 54.7217, 48.0215 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 49.0497, 54.7217, 48.0215 by changing the saturation by 10% instead.

■ 49.0497, 54.7217,
48.0215

■ 49.0497, 54.7217,
48.0215

373.4517,
404.8561, 395.3885

■ 34.8736, 39.1789,
33.4838

■ 87.9655, 97.1331,
88.6023

■ 23.7316, 26.8990,
22.2232

113.4360,
124.7705, 115.4825

■ 15.2583, 17.4974,
13.8211

143.4020,
157.2083, 147.3139

■ 9.0884, 10.5897,
7.8590

178.2288,
194.8308, 184.5151

■ 4.8564, 5.7917,
3.9184

218.2818,
238.0224, 227.5046

■ 2.1972, 2.7188,
1.5807

263.9264,

■ 0.7412, 0.9868,

287.1676, 276.7010

0.2770

315.5279,
342.6507, 332.5228

■ 0.0000, 0.0000,
0.0000

■ 49.0497, 54.7217,
48.0215

■ 49.0497, 54.7217,
48.0215

■ 45.3309, 53.0140,
38.4595

■ 53.1675, 56.6051,
59.1049

■ 41.9922, 51.4689,
30.3489

■ 57.6932, 58.6626,
71.7684

■ 39.0198, 50.0824,
23.6196

■ 62.6411, 60.9019,
86.0720

■ 36.3973, 48.8479,
18.1942

■ 68.0235, 63.3280,
102.0716

■ 34.1066, 47.7577,
13.9876

■ 70.7276, 64.6962,
103.3676

■ 32.1279, 46.8038,
10.9049

■ 73.3242, 66.0347,
103.4891

■ 30.4383, 45.9768,
8.8369

■ 76.0388, 67.4341,
103.6162

■ 29.0112, 45.2659,
7.6525

■ 78.8728, 68.8952,
103.7488

■ 28.0850, 44.7982,
7.1667

■ 79.7145, 69.3291,
103.7882

Harmonies

Analogous

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



51.5626, 54.7217, 45.7523



49.0497, 54.7217, 48.0215



47.3760, 54.7217, 53.3941

Triad

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



49.0497, 54.7217, 48.0215



49.8030, 54.7217, 74.3483



57.4506, 54.7217, 58.3032

Complementary

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



49.0497, 54.7217, 48.0215



45.2141, 44.5874, 60.2590

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.



56.9396, 54.7217, 66.2318



49.0497, 54.7217, 48.0215



52.4626, 54.7217, 75.9521

Square

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



49.0497, 54.7217, 48.0215



47.8001, 54.7217, 68.6560



55.0898, 54.7217, 72.8646



56.4629, 54.7217, 51.3461

Rectangle

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



49.0497, 54.7217, 48.0215



46.9283, 54.7217, 58.2460



55.0898, 54.7217, 72.8646



57.4488, 54.7217, 60.9395

Sweetspot

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



49.0512, 54.7241, 48.0227



91.9654, 98.5945, 100.4098



48.3357, 49.4810, 47.0484



19.5630, 21.0479, 21.1610



0.0000, 0.0000, 0.0000



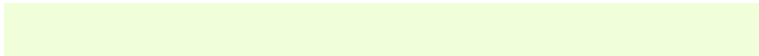
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0512, 54.7241, 48.0227



84.0840, 94.9889, 79.3783



46.0828, 53.1938, 47.8838



11.0974, 12.1972, 11.3322



18.1594, 28.8568, 4.6128



0.9400, 1.4077, 0.2222

Inverse Universe

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



45.2141, 44.5874, 60.2590



76.0946, 73.8817, 104.8577



48.3421, 46.2000, 60.4054



10.4516, 10.4911, 13.3916



8.8284, 3.7855, 35.0097



0.4994, 0.2212, 1.6615

Previews

White Background



This preview shows how the XYZ color 49.0497, 54.7217, 48.0215 looks on a white background.

Color Contrast Check

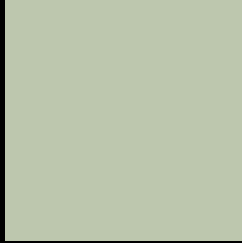
Large Text (above 18pt) WCAG AA × Fail

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 49.0497, 54.7217, 48.0215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

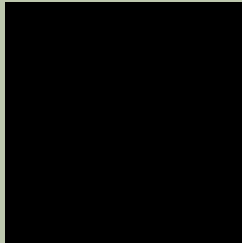
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

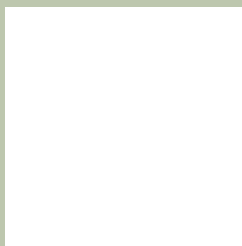
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0497, 54.7217, 48.0215

Background



This preview shows how black text looks on a background with the XYZ color 49.0497, 54.7217, 48.0215.



This preview shows how white text looks on a background with the XYZ color 49.0497, 54.7217,

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

49.0497, 54.7217, 48.0215

Protanopia

51.8633, 54.8461, 46.8826

Deuteranopia

55.6385, 54.4732, 48.6562



Tritanopia

53.0485, 54.6564, 68.0754

Trichromacy



Original Color

49.0497, 54.7217, 48.0215

Protanomaly

50.8359, 54.6391, 47.4022

Deuteranomaly

52.8820, 54.3497, 48.2608

Tritanomaly

51.4420, 54.6718, 60.0660

Monochromacy



Original Color

49.0497, 54.7217, 48.0215

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1163, 53.7819, 54.1939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0497, 54.7217, 48.0215 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(189, 199, 174)` looks like.

```
.text, #text, p{  
    color:rgb(189, 199, 174)  
}
```

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(189, 199, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 199, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.0497, 54.7217, 48.0215 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(189, 199, 174) }
```


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

```
.border{ border-color:rgb(189, 199, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 199, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 199, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 199, 174);  
box-shadow:4px 4px 4px 4px rgb(189, 199,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0497, 54.7217, 48.0215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 199, 174) }
```

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

```
.background{ background-color: rgb(189,  
199, 174) }
```

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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