

Converting Colors

XYZ(49.5127, 54.9832, 23.0299)

Have a look what the booklet for
XYZ(49.5127, 54.9832, 23.0299)
contains.

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Color

**XYZ(49.4138, 54.7818,
23.0085)**

Conversions

Conversions Part 1

Format	Color
Hex	D2C56F
RGB	210, 197, 111
RGB Percent	82%, 77%, 44%
CMY	0.1765, 0.2274, 0.5647
CMYK	0.00, 0.06, 0.47, 0.18
HSL	52°, 52%, 63%
HSV	52°, 47%, 82%
XYZ	49.4138, 54.7818, 23.0085
YIQ	191.0830, 35.3540, -23.9900

Conversions

Conversions Part 2

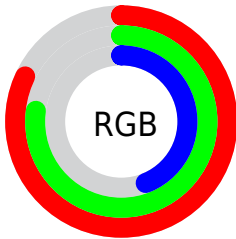
Format	Color
RYB	126, 210, 111
Decimal	13813103
CIELab	78.92, -7.07, 44.52
CIElCh	79, 45.080, 99.029
Yxy	54.7818, 0.3885, 0.4307
Android (android.graphics.Color)	4292003183 (0xFFD2C56F)
YUV	191.0830, -39.4809, 16.5902
Hunter-Lab	74.0147, -10.3554, 33.3792

Details

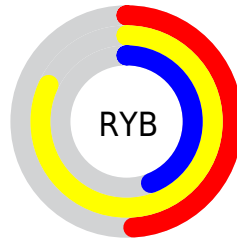
The XYZ color **49.4138, 54.7818, 23.0085** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.3959, 22.4473, 63.9668**, and the grayscale version is **49.7781, 52.3704, 57.0314**.

A 20% lighter version of the original color is **83.0661, 94.1909, 48.9246**, and **23.9645, 26.8412, 8.1928** is the 20% darker color. If you saturate the color by 10%, you get **47.7711, 53.1344, 17.4116**, and if you desaturate by 10%, it is **51.3424, 56.5659, 30.0430**.

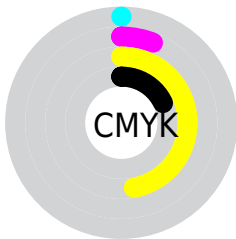
Distribution



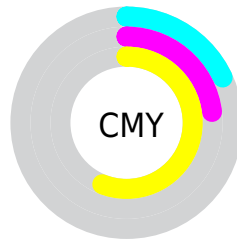
- Red (82%)
- Green (77%)
- Blue (44%)



- Red (49%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (6%)
- Yellow (47%)
- Black (18%)




- Cyan (18%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4138, 54.7818, 23.0085 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 49.4138, 54.7818, 23.0085 by changing the saturation by 10% instead.


 49.4138, 54.7818,
23.0085

 49.4138, 54.7818,
23.0085


374.8591,
405.0843, 280.8920

 35.1637, 39.2271,
14.3944


 88.5028, 97.2212,
49.3307


 23.9561, 26.9364,
8.2536


 114.0724,
124.8746, 67.8758

 15.4256, 17.5255,
4.1676

 144.1459,
157.3297, 90.5684

 9.2069, 10.6098,
1.7177

 179.0886,
194.9709, 117.8270

 4.9346, 5.8051,
0.3728

219.2659,
238.1826, 150.0701

 2.2433, 2.7270,
0.0000

265.0432,

 0.7654, 0.9909,

287.3491, 187.7163

0.0000

316.7858,
342.8548, 231.1841

■ 0.0000, 0.0000,
0.0000

■ 49.4138, 54.7818,
23.0085

■ 49.4138, 54.7818,
23.0085

■ 47.7711, 53.1344,
17.4116

■ 51.3424, 56.5659,
30.0430

■ 46.3909, 51.6081,
13.1469

■ 53.5706, 58.4863,
38.6036

■ 45.2527, 50.1968,
10.1005


■ 56.1156, 60.5519,
48.7757


■ 44.3308, 48.8900,
8.1373


■ 58.9923, 62.7688,
60.6375


■ 43.5907, 47.6740,
7.0769


■ 62.2147, 65.1426,
74.2620

 43.3955, 47.3362,
6.8496

 65.7960, 67.6788,
89.7180

 69.2611, 70.1874,
104.5048

 69.9746, 71.6143,
104.7426

 70.6999, 73.0650,
104.9844

Harmonies

Analogous

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



58.4747, 54.7818, 24.4439



49.4138, 54.7818, 23.0085



41.9645, 54.7818, 28.9651

Triad

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



49.4138, 54.7818, 23.0085



39.8095, 54.7818, 96.3848



69.8507, 54.7818, 79.0868

Complementary

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



49.4138, 54.7818, 23.0085



25.3959, 22.4473, 63.9668

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.



63.6765, 54.7818, 106.7199



49.4138, 54.7818, 23.0085



46.1481, 54.7818, 118.5315

Square

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



49.4138, 54.7818, 23.0085



36.8525, 54.7818, 67.7230



54.8165, 54.7818, 122.7768



70.9841, 54.7818, 52.2419

Rectangle

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



49.4138, 54.7818, 23.0085



38.6609, 54.7818, 37.7072



54.8165, 54.7818, 122.7768



68.2647, 54.7818, 88.7809

Sweetspot

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



49.4151, 54.7843, 23.0096



88.3490, 94.9569, 80.8971



35.9138, 26.5314, 22.3641



18.7095, 20.1675, 16.4946



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.



49.4151, 54.7843, 23.0096



74.0083, 82.3240, 26.6416



43.3048, 56.2051, 23.6059



12.6656, 13.5218, 12.5545



26.5236, 28.9801, 4.1958



1.5207, 1.6957, 0.2472

Inverse Universe

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



25.3959, 22.4473, 63.9668



32.2515, 26.1416, 97.9537



29.4043, 22.2535, 63.7181



11.2870, 11.6643, 14.9002



7.3845, 3.4156, 37.4626



0.4549, 0.2750, 2.1087

Previews

White Background



This preview shows how the XYZ color 49.4138, 54.7818, 23.0085 looks on a white background.

Color Contrast Check

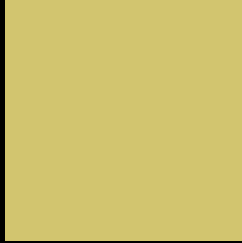
Large Text (above 18pt) WCAG AA × Fail

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 49.4138, 54.7818, 23.0085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

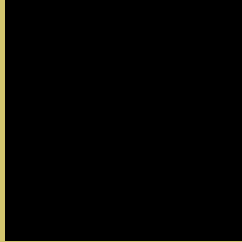
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4138, 54.7818, 23.0085

Background



This preview shows how black text looks on a background with the XYZ color 49.4138, 54.7818, 23.0085.

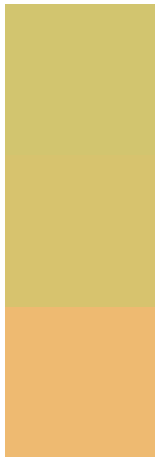


This preview shows how white text looks on a background with the XYZ color 49.4138, 54.7818,

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

49.4138, 54.7818, 23.0085

Protanopia

50.3539, 54.6031, 22.6374

Deuteranopia

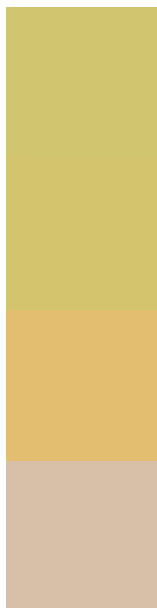
55.7994, 54.4872, 23.1989



Tritanopia

57.5264, 54.8178, 62.8073

Trichromacy



Original Color

49.4138, 54.7818, 23.0085

Protanomaly

49.9950, 54.7518, 22.6850

Deuteranomaly

53.3330, 54.4907, 23.0360

Tritanomaly

54.0176, 54.6877, 44.7545

Monochromacy



Original Color

49.4138, 54.7818, 23.0085

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.8803, 52.7543, 41.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4138, 54.7818, 23.0085 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(210, 197, 111)` looks like.

```
.text, #text, p{  
    color:rgb(210, 197, 111)  
}
```

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(210, 197, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 197, 111) }
```

Border

The CSS property to change the border of an element to XYZ 49.4138, 54.7818, 23.0085 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(210, 197, 111) }
```


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

```
.border{ border-color:rgb(210, 197, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 197, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 197, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 197, 111);  
box-shadow:4px 4px 4px 4px rgb(210, 197,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4138, 54.7818, 23.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 197, 111) }
```

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

```
.background{ background-color: rgb(210,  
197, 111) }
```

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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