

Converting Colors

XYZ(49.9632, 54.8240, 16.9052)

Have a look what the booklet for
XYZ(49.9632, 54.8240, 16.9052)
contains.

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Color

**XYZ(50.0755, 54.9197,
16.9781)**

Conversions

Conversions Part 1

Format	Color
Hex	D9C457
RGB	217, 196, 87
RGB Percent	85%, 77%, 34%
CMY	0.1490, 0.2313, 0.6588
CMYK	0.00, 0.10, 0.60, 0.15
HSL	50°, 63%, 60%
HSV	50°, 60%, 85%
XYZ	50.0755, 54.9197, 16.9781
YIQ	189.8530, 47.5050, -29.4470

Conversions

Conversions Part 2

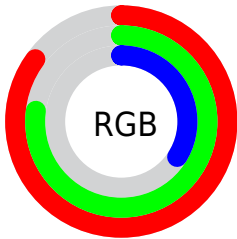
Format	Color
RYB	112, 217, 87
Decimal	14271575
CIELab	78.99, -5.63, 56.14
CIELCh	79, 56.418, 95.728
Yxy	54.9197, 0.4105, 0.4503
Android (android.graphics.Color)	4292461655 (0xFFD9C457)
YUV	189.8530, -50.7065, 23.8079
Hunter-Lab	74.1078, -9.0742, 38.2921

Details

The XYZ color **50.0755, 54.9197, 16.9781** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **21.8173, 17.7605, 67.9235**, and the grayscale version is **49.1237, 51.6819, 56.2816**.

A 20% lighter version of the original color is **80.7840, 92.7743, 38.4604**, and **24.3812, 27.1201, 5.3162** is the 20% darker color. If you saturate the color by 10%, you get **48.5380, 53.0567, 12.7299**, and if you desaturate by 10%, it is **51.9005, 56.9314, 22.6377**.

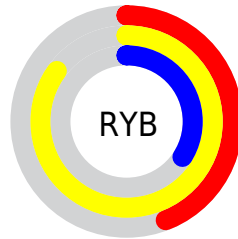
Distribution



Red (85%)

Green (77%)

Blue (34%)



Red (44%)

Yellow (85%)

Blue (34%)

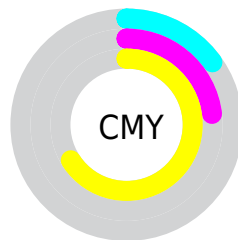


Cyan (0%)

Magenta (10%)

Yellow (60%)

Black (15%)



Cyan (15%)

Magenta (23%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0755, 54.9197, 16.9781 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 50.0755, 54.9197, 16.9781 by changing the saturation by 10% instead.

■ 50.0755, 54.9197,
16.9781

■ 50.0755, 54.9197,
16.9781

377.4082,
405.6075, 247.0858

■ 35.6914, 39.3374,
10.0571

■ 89.4779, 97.4233,
39.0783

■ 24.3650, 27.0223,
5.3307

■ 115.2269,
125.1134, 55.0945

■ 15.7308, 17.5900,
2.3805

■ 145.4950,
157.6083, 74.9795

■ 9.4235, 10.6560,
0.7758

■ 180.6474,
195.2923, 99.1519

■ 5.0777, 5.8360,
0.0000

221.0496,
238.5498, 128.0302

■ 2.3282, 2.7456,
0.0000

267.0669,

■ 0.8090, 1.0004,

287.7652, 162.0329

0.0000

319.0647,
343.3230, 201.5786

■ 0.0000, 0.0000,
0.0000

■ 50.0755, 54.9197,
16.9781

■ 50.0755, 54.9197,
16.9781

■ 48.5380, 53.0567,
12.7299

■ 51.9005, 56.9314,
22.6377

■ 47.2593, 51.3244,
9.7597

■ 54.0309, 59.0930,
29.8195

■ 46.2112, 49.7136,
7.9143

■ 56.4875, 61.4150,
38.6270

■ 45.3418, 48.2031,
6.9202

■ 59.2883, 63.9047,
49.1537

■ 45.3339, 48.1892,
6.9121

■ 62.4497, 66.5691,
61.4860

■ 65.9871, 69.4143,
75.7044

■ 69.9150, 72.4465,
91.8847

■ 73.3318, 75.3051,
105.2781

■ 74.2837, 77.2087,
105.5953

Harmonies

Analogous

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



61.5811, 54.9197, 19.3032



50.0755, 54.9197, 16.9781



40.5864, 54.9197, 22.3534

Triad

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



50.0755, 54.9197, 16.9781



36.5695, 54.9197, 103.6277



74.4434, 54.9197, 88.9671

Complementary

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



50.0755, 54.9197, 16.9781



21.8173, 17.7605, 67.9235

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.



65.8401, 54.9197, 125.2992



50.0755, 54.9197, 16.9781



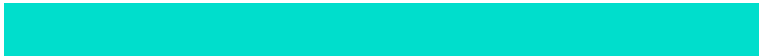
43.8227, 54.9197, 135.6720

Square

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



50.0755, 54.9197, 16.9781



33.5390, 54.9197, 66.1802



54.3828, 54.9197, 144.7669



76.7468, 54.9197, 53.8403

Rectangle

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



50.0755, 54.9197, 16.9781



36.3220, 54.9197, 31.3135



54.3828, 54.9197, 144.7669



72.1376, 54.9197, 101.7830

Sweetspot

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



50.0768, 54.9223, 16.9792



86.2017, 92.7498, 73.7457



34.7661, 22.6655, 16.9173



18.1800, 19.6185, 14.7460



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.



50.0768, 54.9223, 16.9792



69.4101, 75.7598, 16.9936



43.9147, 59.2741, 18.1440



13.9739, 14.8871, 13.8626



27.5083, 29.3022, 4.2060



1.8310, 1.9961, 0.2888

Inverse Universe

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



21.8173, 17.7605, 67.9235



25.3365, 17.8919, 96.7258



25.1902, 16.5990, 67.5216



12.5077, 12.9551, 16.4935



7.9969, 3.8633, 40.0626



0.5716, 0.3574, 2.6133

Previews

White Background



This preview shows how the XYZ color 50.0755, 54.9197, 16.9781 looks on a white background.

Color Contrast Check

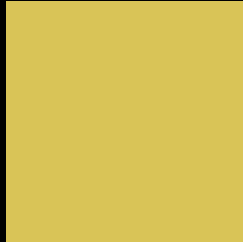
Large Text (above 18pt) WCAG AA × Fail

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 50.0755, 54.9197, 16.9781 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 50.0755, 54.9197, 16.9781

Background



This preview shows how black text looks on a background with the XYZ color 50.0755, 54.9197, 16.9781.



This preview shows how white text looks on a background with the XYZ color 50.0755, 54.9197,

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

50.0755, 54.9197, 16.9781

Protanopia

50.0755, 54.9197, 16.9781

Deuteranopia

56.0223, 54.7332, 17.2847



Tritanopia

59.1278, 54.7354, 61.4814

Trichromacy



Original Color

50.0755, 54.9197, 16.9781

Protanomaly

50.0755, 54.9197, 16.9781

Deuteranomaly

53.8209, 54.8718, 17.2058

Tritanomaly

54.5862, 54.1230, 39.9175

Monochromacy



Original Color

50.0755, 54.9197, 16.9781

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4188, 52.2785, 37.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0755, 54.9197, 16.9781 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(217, 196, 87)` looks like.

```
.text, #text, p{  
    color:rgb(217, 196, 87)  
}
```

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(217, 196, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 196, 87) }
```

Border

The CSS property to change the border of an element to XYZ 50.0755, 54.9197, 16.9781 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(217, 196, 87) }
```


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

```
.border{ border-color:rgb(217, 196, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 196, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 196, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 196, 87);  
box-shadow:4px 4px 4px 4px rgb(217, 196,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0755, 54.9197, 16.9781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 196, 87) }
```

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

```
.background{ background-color: rgb(217,  
196, 87) }
```

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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