

Converting Colors

XYZ(49.1830, 49.7408, 15.2944)

Have a look what the booklet for
XYZ(49.1830, 49.7408, 15.2944)
contains.

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Color

**XYZ(49.1754, 49.6954,
15.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	E1B554
RGB	225, 181, 84
RGB Percent	88%, 71%, 33%
CMY	0.1176, 0.2902, 0.6706
CMYK	0.00, 0.20, 0.63, 0.12
HSL	41°, 70%, 61%
HSV	41°, 63%, 88%
XYZ	49.1754, 49.6954, 15.3878
YIQ	183.0980, 57.3610, -20.8390

Conversions

Conversions Part 2

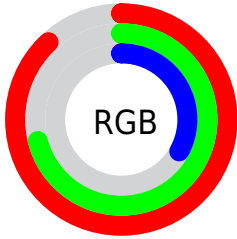
Format	Color
RYB	148, 225, 84
Decimal	14792020
CIELab	75.88, 5.35, 54.24
CIELCh	76, 54.504, 84.363
Yxy	49.6954, 0.4304, 0.4349
Android (android.graphics.Color)	4292982100 (0xFFE1B554)
YUV	183.0980, -48.8553, 36.7481
Hunter-Lab	70.4950, 1.1506, 36.4045

Details

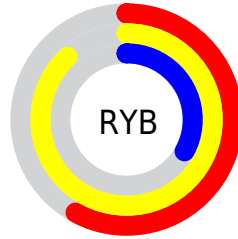
The XYZ color **49.1754, 49.6954, 15.3878** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.9655, 22.7584, 74.3106**, and the grayscale version is **45.3023, 47.6616, 51.9034**.

A 20% lighter version of the original color is **76.0395, 83.6345, 35.8023**, and **23.6924, 23.6443, 4.6114** is the 20% darker color. If you saturate the color by 10%, you get **47.0403, 46.6164, 11.0048**, and if you desaturate by 10%, it is **51.6677, 53.0363, 21.2869**.

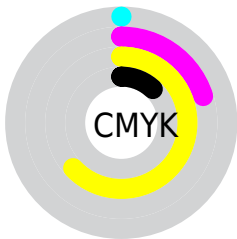
Distribution



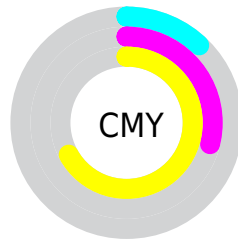
- Red (88%)
- Green (71%)
- Blue (33%)



- Red (58%)
- Yellow (88%)
- Blue (33%)



- Cyan (0%)
- Magenta (20%)
- Yellow (63%)
- Black (12%)



- Cyan (12%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1754, 49.6954, 15.3878 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 49.1754, 49.6954, 15.3878 by changing the saturation by 10% instead.

49.1754, 49.6954,
15.3878

49.1754, 49.6954,
15.3878

373.9379,
385.4736, 237.4227

34.9737, 35.1714,
8.9424

88.1511, 89.7234,
36.2840

23.8091, 23.7950,
4.6073

113.6558,
115.9962, 51.5717

15.3160, 15.1816,
1.9641

143.6589,
146.9541, 70.6441

9.1292, 8.9469,
0.5331

178.5258,
182.9815, 93.9195

4.8834, 4.7066,
0.0000

218.6218,
224.4627, 121.8165

2.2130, 2.0762,
0.0000

264.3122,

0.7496, 0.6512,

271.7822, 154.7537

0.0000

315.9625,
325.3244, 193.1496

■ 0.0000, 0.0000,
0.0000

■ 49.1754, 49.6954,
15.3878

■ 49.1754, 49.6954,
15.3878

■ 47.0403, 46.6164,
11.0048

■ 51.6677, 53.0363,
21.2869

■ 45.2298, 43.7787,
7.9860

■ 54.5393, 56.6437,
28.8285

■ 43.7097, 41.1690,
6.1528

■ 57.8142, 60.5307,
38.1290

■ 42.7385, 39.3823,
5.3490

■ 61.5132, 64.7074,
49.2932

■ 65.6557, 69.1828,
62.4179

■ 70.2595, 73.9658,
77.5931

■ 75.3415, 79.0646,
94.9029

■ 79.4342, 83.8936,
106.6142

■ 81.5087, 88.0426,
107.3057

Harmonies

Analogous

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



59.5318, 49.6954, 20.2280



49.1754, 49.6954, 15.3878



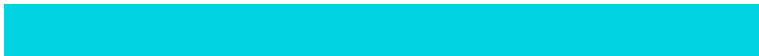
39.6373, 49.6954, 17.5128

Triad

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



49.1754, 49.6954, 15.3878



31.6033, 49.6954, 80.5741



64.9221, 49.6954, 93.6098

Complementary

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



49.1754, 49.6954, 15.3878



24.9655, 22.7584, 74.3106

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.



55.7441, 49.6954, 122.5982



49.1754, 49.6954, 15.3878



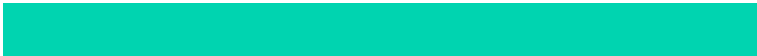
36.7584, 49.6954, 113.3766

Square

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



49.1754, 49.6954, 15.3878



30.3635, 49.6954, 48.8075



45.3444, 49.6954, 130.8925



69.4203, 49.6954, 59.7829

Rectangle

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



49.1754, 49.6954, 15.3878



34.8685, 49.6954, 23.1973



45.3444, 49.6954, 130.8925



62.2237, 49.6954, 104.6650

Sweetspot

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



49.1766, 49.6978, 15.3888



83.5731, 87.9942, 71.3233



38.1609, 23.9242, 23.2542



17.5597, 18.4752, 14.2392



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.



49.1766, 49.6978, 15.3888



61.7468, 60.8043, 13.2953



52.1183, 66.6528, 18.5064



14.4922, 15.2703, 14.4904



24.7367, 22.9114, 3.1186



1.7934, 1.7457, 0.2424

Inverse Universe

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



24.9655, 22.7584, 74.3106



27.2837, 22.5727, 97.5267



23.1730, 15.0828, 72.9236



13.2992, 13.9376, 17.3770



9.1929, 5.8554, 41.6940



0.7153, 0.5621, 2.9160

Previews

White Background



This preview shows how the XYZ color 49.1754, 49.6954, 15.3878 looks on a white background.

Color Contrast Check

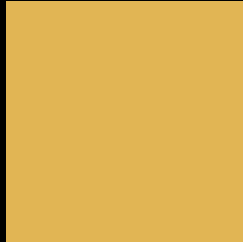
Large Text (above 18pt) WCAG AA × Fail

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 49.1754, 49.6954, 15.3878 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 49.1754, 49.6954, 15.3878

Background



This preview shows how black text looks on a background with the XYZ color 49.1754, 49.6954, 15.3878.



This preview shows how white text looks on a background with the XYZ color 49.1754, 49.6954,

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

49.1754, 49.6954, 15.3878

Protanopia

45.6754, 50.0482, 16.0570

Deuteranopia

50.8388, 49.6525, 15.4987



Tritanopia

56.5262, 49.4920, 51.3734

Trichromacy



Original Color

49.1754, 49.6954, 15.3878

Protanomaly

46.7202, 49.6499, 15.7153

Deuteranomaly

50.0729, 49.5541, 15.5201

Tritanomaly

53.0356, 49.2017, 34.3054

Monochromacy



Original Color

49.1754, 49.6954, 15.3878

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2831, 47.5682, 34.3987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1754, 49.6954, 15.3878 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(225, 181, 84)` looks like.

```
.text, #text, p{  
    color:rgb(225, 181, 84)  
}
```

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(225, 181, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 181, 84) }
```

Border

The CSS property to change the border of an element to XYZ 49.1754, 49.6954, 15.3878 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(225, 181, 84) }
```


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

```
.border{ border-color:rgb(225, 181, 84) }
```

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

Here you see how a box with a 4 pixel rgb(225, 181, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 181, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 181, 84);  
box-shadow:4px 4px 4px 4px rgb(225, 181,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1754, 49.6954, 15.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 181, 84) }
```

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

```
.background{ background-color: rgb(225,  
181, 84) }
```

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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