

Converting Colors

XYZ(49.8681, 54.8266, 18.4476)

Have a look what the booklet for
XYZ(49.8681, 54.8266, 18.4476)
contains.

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Color

**XYZ(49.7846, 54.7351,
18.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	D7C45E
RGB	215, 196, 94
RGB Percent	84%, 77%, 37%
CMY	0.1569, 0.2313, 0.6314
CMYK	0.00, 0.09, 0.56, 0.16
HSL	51°, 60%, 61%
HSV	51°, 56%, 84%
XYZ	49.7846, 54.7351, 18.5307
YIQ	190.0530, 44.0660, -27.6940

Conversions

Conversions Part 2

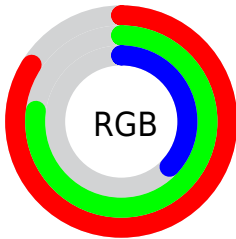
Format	Color
RYB	117, 215, 94
Decimal	14140510
CIELab	78.89, -5.96, 52.77
CIELCh	79, 53.101, 96.439
Yxy	54.7351, 0.4046, 0.4448
Android (android.graphics.Color)	4292330590 (0xFFD7C45E)
YUV	190.0530, -47.3541, 21.8785
Hunter-Lab	73.9832, -9.3547, 36.9377

Details

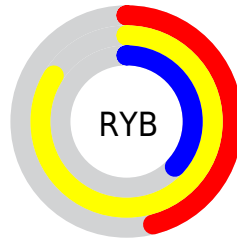
The XYZ color **49.7846, 54.7351, 18.5307** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **22.7868, 19.0956, 66.7744**, and the grayscale version is **49.2218, 51.7852, 56.3940**.

A 20% lighter version of the original color is **81.3169, 92.9874, 41.2663**, and **24.3233, 27.0741, 6.0417** is the 20% darker color. If you saturate the color by 10%, you get **48.1988, 52.8984, 13.8874**, and if you desaturate by 10%, it is **51.6588, 56.7187, 24.5969**.

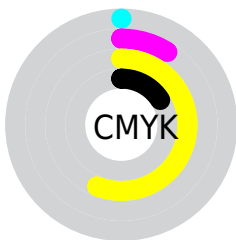
Distribution



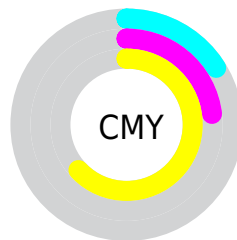
- Red (84%)
- Green (77%)
- Blue (37%)



- Red (46%)
- Yellow (84%)
- Blue (37%)



- Cyan (0%)
- Magenta (9%)
- Yellow (56%)
- Black (16%)



- Cyan (16%)
- Magenta (23%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7846, 54.7351, 18.5307 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 49.7846, 54.7351, 18.5307 by changing the saturation by 10% instead.

■ 49.7846, 54.7351,
18.5307

■ 49.7846, 54.7351,
18.5307

376.2889,
404.9070, 256.1814

■ 35.4594, 39.1897,
11.1583

■ 89.0494, 97.1527,
41.7657

■ 24.1851, 26.9073,
6.0579

■ 114.7196,
124.7937, 58.4653

■ 15.5965, 17.5036,
2.8110

■ 144.9023,
157.2354, 79.1111

■ 9.3281, 10.5942,
0.9989

■ 179.9627,
194.8620, 104.1216

■ 5.0146, 5.7947,
0.0000

220.2662,
238.0581, 133.9153

■ 2.2907, 2.7206,
0.0000

266.1782,

■ 0.7899, 0.9877,

287.2081, 168.9108

0.0000

318.0640,
342.6962, 209.5267

■ 0.0000, 0.0000,
0.0000

■ 49.7846, 54.7351,
18.5307

■ 49.7846, 54.7351,
18.5307

■ 48.1988, 52.8984,
13.8874

■ 51.6588, 56.7187,
24.5969

■ 46.8744, 51.1914,
10.5427

■ 53.8380, 58.8498,
32.1896

■ 45.7860, 49.6059,
8.3570

■ 56.3419, 61.1385,
41.4065

■ 44.8997, 48.1280,
7.1530

■ 59.1874, 63.5919,
52.3364

■ 44.5988, 47.5963,
6.8364

■ 62.3902, 66.2162,
65.0616

■ 65.9652, 69.0177,
79.6589

■ 69.9261, 72.0019,
96.2008

■ 72.4633, 74.4453,
105.1579

■ 73.3741, 76.2669,
105.4615

Harmonies

Analogous

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



60.5514, 54.7351, 20.6598



49.7846, 54.7351, 18.5307



40.8927, 54.7351, 24.0406

Triad

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



49.7846, 54.7351, 18.5307



37.3659, 54.7351, 101.1386



72.8961, 54.7351, 85.9340

Complementary

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



49.7846, 54.7351, 18.5307



22.7868, 19.0956, 66.7744

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.



65.0117, 54.7351, 119.5354



49.7846, 54.7351, 18.5307



44.3374, 54.7351, 130.1875

Square

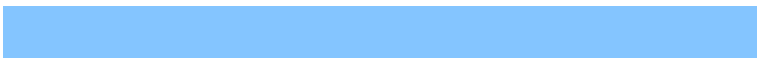
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.7846, 54.7351, 18.5307



34.3747, 54.7351, 66.3450



54.3297, 54.7351, 137.8621



74.8688, 54.7351, 53.3233

Rectangle

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



49.7846, 54.7351, 18.5307



36.8998, 54.7351, 32.9279



54.3297, 54.7351, 137.8621



70.8020, 54.7351, 97.7798

Sweetspot

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



49.7859, 54.7377, 18.5318



86.7070, 93.2507, 75.4854



35.0740, 23.6717, 18.6906



18.3701, 19.7994, 15.4238



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.



49.7859, 54.7377, 18.5318



70.4308, 77.2292, 19.0977



43.9254, 58.4842, 19.5639



13.2991, 14.1724, 13.1953



26.7398, 28.5969, 4.1104



1.6585, 1.8162, 0.2631

Inverse Universe

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



22.7868, 19.0956, 66.7744



26.9444, 19.8948, 97.0277



26.1536, 18.0081, 66.3870



11.8985, 12.3203, 15.6885



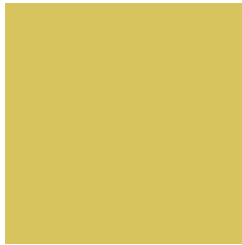
7.7242, 3.7102, 38.7622



0.5164, 0.3247, 2.3548

Previews

White Background



This preview shows how the XYZ color 49.7846, 54.7351, 18.5307 looks on a white background.

Color Contrast Check

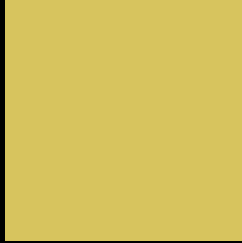
Large Text (above 18pt) WCAG AA × Fail

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 49.7846, 54.7351, 18.5307 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 49.7846, 54.7351, 18.5307

Background



This preview shows how black text looks on a background with the XYZ color 49.7846, 54.7351, 18.5307.



This preview shows how white text looks on a background with the XYZ color 49.7846, 54.7351,

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

49.7846, 54.7351, 18.5307

Protanopia

50.0792, 54.8869, 18.5445

Deuteranopia

55.6518, 54.5061, 18.8968



Tritanopia

58.7091, 54.8290, 61.5216

Trichromacy



Original Color

49.7846, 54.7351, 18.5307

Protanomaly

50.0792, 54.8869, 18.5445

Deuteranomaly

53.4798, 54.6604, 18.7981

Tritanomaly

54.4494, 54.3406, 41.3372

Monochromacy



Original Color

49.7846, 54.7351, 18.5307

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.3192, 52.2079, 38.5408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7846, 54.7351, 18.5307 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(215, 196, 94)` looks like.

```
.text, #text, p{  
    color:rgb(215, 196, 94)  
}
```

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(215, 196, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 196, 94) }
```

Border

The CSS property to change the border of an element to XYZ 49.7846, 54.7351, 18.5307 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(215, 196, 94) }
```


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

```
.border{ border-color:rgb(215, 196, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 196, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 196, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 196, 94);  
box-shadow:4px 4px 4px 4px rgb(215, 196,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7846, 54.7351, 18.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 196, 94) }
```

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

```
.background{ background-color: rgb(215,  
196, 94) }
```

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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