

Converting Colors

XYZ(46.9771, 56.0885, 16.6640)

Have a look what the booklet for
XYZ(46.9771, 56.0885, 16.6640)
contains.

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Color

**XYZ(47.0125, 56.1052,
16.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	C8CC54
RGB	200, 204, 84
RGB Percent	78%, 80%, 33%
CMY	0.2157, 0.2000, 0.6706
CMYK	0.02, 0.00, 0.59, 0.20
HSL	62°, 54%, 56%
HSV	62°, 59%, 80%
XYZ	47.0125, 56.1052, 16.7391
YIQ	189.1240, 36.1360, -38.1680

Conversions

Conversions Part 2

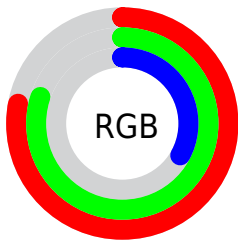
Format	Color
RYB	84, 204, 88
Decimal	13159508
CIELab	79.67, -16.96, 57.81
CIELCh	80, 60.251, 106.353
Yxy	56.1052, 0.3922, 0.4681
Android (android.graphics.Color)	4291349588 (0xFFC8CC54)
YUV	189.1240, -51.8261, 9.5383
Hunter-Lab	74.9034, -19.0469, 39.1825

Details

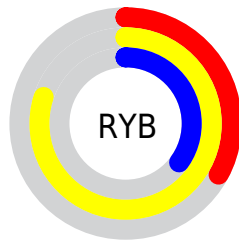
The XYZ color **47.0125, 56.1052, 16.7391** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **18.0958, 12.7763, 58.6425**, and the grayscale version is **48.7150, 51.2519, 55.8133**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **22.4319, 27.7315, 5.2073** is the 20% darker color. If you saturate the color by 10%, you get **46.1461, 55.7397, 13.1182**, and if you desaturate by 10%, it is **48.1150, 56.5693, 21.5877**.

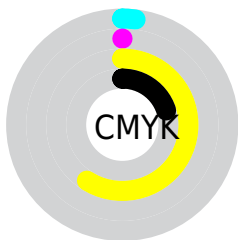
Distribution



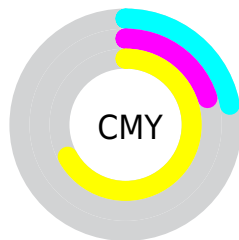
- Red (78%)
- Green (80%)
- Blue (33%)



- Red (33%)
- Yellow (80%)
- Blue (35%)



- Cyan (2%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)





- Cyan (22%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0125, 56.1052, 16.7391 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 47.0125, 56.1052, 16.7391 by changing the saturation by 10% instead.


 47.0125, 56.1052,
16.7391

 47.0125, 56.1052,
16.7391


365.5125,
410.0878, 245.6572


 33.2535, 40.2873,
9.8887


 84.9509, 99.1584,
38.6611

 22.4809, 27.7626,
5.2206


 109.8611,
127.1624, 54.5698


 14.3293, 18.1468,
2.3163


 139.2190,
159.9973, 74.3350

 8.4333, 11.0554,
0.7403

 173.3900,
198.0474, 98.3752

 4.4275, 6.1041,
0.0000

 212.7395,
241.6971, 127.1090

 1.9467, 2.9085,
0.0000

257.6329,

 0.6038, 1.0841,

291.3308, 160.9549

0.0000

308.4354,
347.3329, 200.3315

■ 0.0000, 0.0000,
0.0000

■ 47.0125, 56.1052,
16.7391

■ 47.0125, 56.1052,
16.7391

■ 46.1461, 55.7397,
13.1182

■ 48.1150, 56.5693,
21.5877

■ 45.4910, 55.4568,
10.6116

■ 49.4681, 57.1317,
27.7570

■ 45.0240, 55.2493,
9.0914

■ 51.0895, 57.8015,
35.3353

■ 44.7054, 55.1011,
8.3483

■ 52.9944, 58.5848,
44.4020

■ 44.6713, 55.0850,
8.2780

■ 55.1967, 59.4872,
55.0310

■ 57.7096, 60.5139,
67.2908

■ 60.5453, 61.6698,
81.2462

■ 63.7154, 62.9595,
96.9584

■ 65.1335, 63.5486,
103.4409

Harmonies

Analogous

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



59.0335, 56.1052, 16.3964



47.0125, 56.1052, 16.7391



38.1382, 56.1052, 25.5551

Triad

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



47.0125, 56.1052, 16.7391



38.7657, 56.1052, 123.4573



79.4174, 56.1052, 78.2835

Complementary

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



47.0125, 56.1052, 16.7391



18.0958, 12.7763, 58.6425

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.



72.0906, 56.1052, 119.9195



47.0125, 56.1052, 16.7391



47.9994, 56.1052, 151.9605

Square

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



47.0125, 56.1052, 16.7391



33.8956, 56.1052, 81.9406



60.1815, 56.1052, 150.4637



79.0456, 56.1052, 44.1139

Rectangle

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



47.0125, 56.1052, 16.7391



34.6531, 56.1052, 37.9806



60.1815, 56.1052, 150.4637



77.7306, 56.1052, 92.0650

Sweetspot

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



47.0138, 56.1078, 16.7403



87.9595, 97.0989, 74.4925



29.9938, 20.4584, 10.7563



18.6154, 20.6963, 14.9311



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.



47.0138, 56.1078, 16.7403



76.0456, 92.1454, 20.2475



34.0105, 49.4043, 16.1317



12.1154, 13.0769, 11.9650



28.1314, 34.6776, 5.2108



1.4631, 1.7951, 0.2694

Inverse Universe

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



18.0958, 12.7763, 58.6425



23.8032, 13.8161, 96.0199



26.2839, 16.9975, 59.0257



10.6358, 10.8615, 14.1063



6.9293, 2.7797, 36.1276



0.3699, 0.1498, 1.8644

Previews

White Background



This preview shows how the XYZ color 47.0125, 56.1052, 16.7391 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 47.0125, 56.1052, 16.7391 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 47.0125, 56.1052, 16.7391

Background



This preview shows how black text looks on a background with the XYZ color 47.0125, 56.1052, 16.7391.



This preview shows how white text looks on a background with the XYZ color 47.0125, 56.1052,

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

47.0125, 56.1052, 16.7391

Protanopia

51.2323, 56.2130, 16.1326

Deuteranopia

57.0946, 55.9208, 17.2358



Tritanopia

56.9228, 55.7149, 66.1464

Trichromacy



Original Color

47.0125, 56.1052, 16.7391

Protanomaly

49.6562, 56.0792, 16.3908

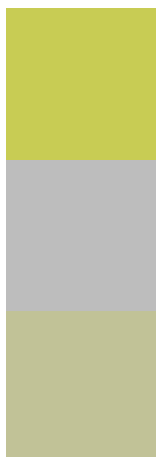
Deuteranomaly

53.0070, 55.7657, 16.9869

Tritanomaly

52.2739, 55.4984, 42.1395

Monochromacy



Original Color

47.0125, 56.1052, 16.7391

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.8700, 52.1554, 36.8748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0125, 56.1052, 16.7391 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(200, 204, 84)` looks like.

```
.text, #text, p{  
    color:rgb(200, 204, 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(200, 204, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 204, 84) }
```

Border

The CSS property to change the border of an element to XYZ 47.0125, 56.1052, 16.7391 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(200, 204, 84) }
```


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

```
.border{ border-color:rgb(200, 204, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 204, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 204, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 204, 84);  
box-shadow:4px 4px 4px 4px rgb(200, 204,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0125, 56.1052, 16.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 204, 84) }
```

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

```
.background{ background-color: rgb(200,  
204, 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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