

Converting Colors

XYZ(46.6387, 56.8250, 20.7070)

Have a look what the booklet for
XYZ(46.6387, 56.8250, 20.7070)
contains.

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Color

**XYZ(46.6541, 56.9027,
20.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	C1CF65
RGB	193, 207, 101
RGB Percent	76%, 81%, 40%
CMY	0.2431, 0.1882, 0.6039
CMYK	0.07, 0.00, 0.51, 0.19
HSL	68°, 52%, 60%
HSV	68°, 51%, 81%
XYZ	46.6541, 56.9027, 20.8363
YIQ	190.7300, 25.6820, -35.9340

Conversions

Conversions Part 2

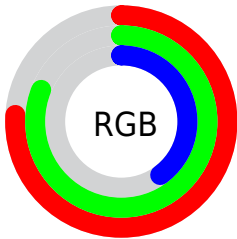
Format	Color
RYB	101, 207, 115
Decimal	12701541
CIELab	80.12, -19.92, 50.48
CIELCh	80, 54.267, 111.531
Yxy	56.9027, 0.3751, 0.4574
Android (android.graphics.Color)	4290891621 (0xFFC1CF65)
YUV	190.7300, -44.2369, 1.9908
Hunter-Lab	75.4339, -21.6112, 36.4267

Details

The XYZ color **46.6541, 56.9027, 20.8363** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.9885, 17.4586, 61.1931**, and the grayscale version is **49.6038, 52.1870, 56.8317**.

A 20% lighter version of the original color is **81.3764, 94.3623, 44.4966**, and **22.2621, 28.3226, 7.1992** is the 20% darker color. If you saturate the color by 10%, you get **45.0747, 56.1931, 16.1188**, and if you desaturate by 10%, it is **48.5046, 57.7262, 26.9020**.

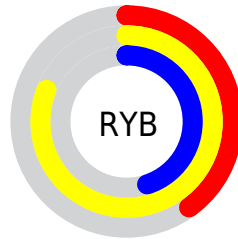
Distribution



Red (76%)

Green (81%)

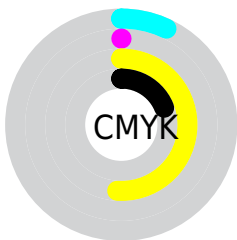
Blue (40%)



Red (40%)

Yellow (81%)

Blue (45%)

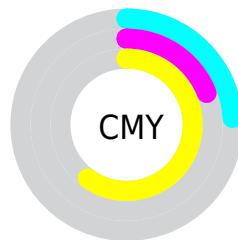


Cyan (7%)

Magenta (0%)

Yellow (51%)

Black (19%)



Cyan (24%)

Magenta (19%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6541, 56.9027, 20.8363 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 46.6541, 56.9027, 20.8363 by changing the saturation by 10% instead.

■ 46.6541, 56.9027,
20.8363

■ 46.6541, 56.9027,
20.8363

364.1042,
413.0846, 269.1597

■ 32.9691, 40.9271,
12.8143

■ 84.4190, 100.3232,
45.6922

■ 22.2619, 28.2621,
7.1716

■ 109.2295,
128.5369, 63.3632

■ 14.1671, 18.5234,
3.4896

■ 138.4793,
161.5988, 85.0876

■ 8.3195, 11.3264,
1.3497

■ 172.5337,
199.8933, 111.2839

■ 4.3536, 6.2868,
0.1020

211.7580,
243.8047, 142.3707

■ 1.9040, 3.0203,
0.0000

256.5176,

■ 0.5792, 1.1423,

293.7174, 178.7666

0.0000

307.1779,
350.0160, 220.8901

■ 0.0000, 0.0138,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.6541, 56.9027,
20.8363

■ 46.6541, 56.9027,
20.8363

■ 45.0747, 56.1931,
16.1188

■ 48.5046, 57.7262,
26.9020

■ 43.7426, 55.5820,
12.6429


■ 50.6397, 58.6631,
34.4046


■ 42.6367, 55.0628,
10.2919


■ 53.0769, 59.7222,
43.4296


■ 41.7304, 54.6249,
8.9251


■ 55.8308, 60.9096,
54.0545


 41.0562, 54.2901,
8.3152

 58.9154, 62.2308,
66.3518

 62.3435, 63.6909,
80.3894

 66.1276, 65.2949,
96.2316

 68.3533, 66.2772,
103.7979

 69.1626, 66.6944,
103.8358

Harmonies

Analogous

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



57.2749, 56.9027, 19.1511



46.6541, 56.9027, 20.8363



39.0939, 56.9027, 31.2845

Triad

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



46.6541, 56.9027, 20.8363



41.9121, 56.9027, 122.8678



77.9440, 56.9027, 71.3602

Complementary

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



46.6541, 56.9027, 20.8363



22.9885, 17.4586, 61.1931

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.



72.4870, 56.9027, 108.0547



46.6541, 56.9027, 20.8363



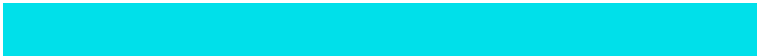
51.0145, 56.9027, 143.7553

Square

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



46.6541, 56.9027, 20.8363



36.6269, 56.9027, 87.0850



62.2643, 56.9027, 137.5664



76.3586, 56.9027, 42.1979

Rectangle

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



46.6541, 56.9027, 20.8363



36.3282, 56.9027, 44.6076



62.2643, 56.9027, 137.5664



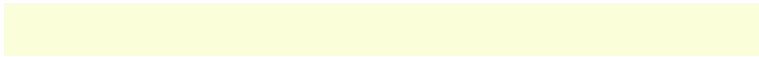
76.8484, 56.9027, 83.3071

Sweetspot

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



46.6555, 56.9053, 20.8375



87.6569, 96.8308, 79.5455



34.0292, 26.0988, 15.5567



18.5608, 20.6389, 16.2491



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.



46.6555, 56.9053, 20.8375



72.1127, 89.9978, 25.4881



35.7564, 51.2866, 20.3274



12.6434, 13.7151, 12.5929



25.9234, 34.2330, 5.2413



1.4931, 1.9366, 0.2951

Inverse Universe

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



22.9885, 17.4586, 61.1931



30.3006, 20.2224, 96.9140



31.7209, 21.9603, 61.6018



11.3068, 11.4915, 14.8658



7.4320, 3.0116, 37.3821



0.4642, 0.1935, 2.0924

Previews

White Background



This preview shows how the XYZ color 46.6541, 56.9027, 20.8363 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 46.6541, 56.9027, 20.8363 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 46.6541, 56.9027, 20.8363

Background



This preview shows how black text looks on a background with the XYZ color 46.6541, 56.9027, 20.8363.



This preview shows how white text looks on a background with the XYZ color 46.6541, 56.9027,

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

46.6541, 56.9027, 20.8363

Protanopia

51.8414, 56.7888, 19.7843

Deuteranopia

57.7613, 56.4905, 21.4951



Tritanopia

56.3248, 56.6625, 68.9411

Trichromacy



Original Color

46.6541, 56.9027, 20.8363

Protanomaly

49.9510, 56.8436, 20.1436

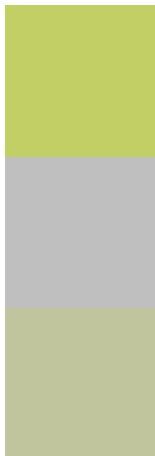
Deuteranomaly

53.2900, 56.4869, 21.1911

Tritanomaly

51.7665, 56.1666, 46.1431

Monochromacy



Original Color

46.6541, 56.9027, 20.8363

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.8760, 53.6076, 40.1717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6541, 56.9027, 20.8363 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(193, 207, 101)` looks like.

```
.text, #text, p{  
    color:rgb(193, 207, 101)  
}
```

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(193, 207, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 207, 101) }
```

Border

The CSS property to change the border of an element to XYZ 46.6541, 56.9027, 20.8363 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(193, 207, 101) }
```


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

```
.border{ border-color:rgb(193, 207, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 207, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 207, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 207, 101);  
box-shadow:4px 4px 4px 4px rgb(193, 207,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6541, 56.9027, 20.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 207, 101) }
```

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

```
.background{ background-color: rgb(193,  
207, 101) }
```

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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