

Converting Colors

XYZ(49.0191, 56.2456, 25.4124)

Have a look what the booklet for
XYZ(49.0191, 56.2456, 25.4124)
contains.

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Color

**XYZ(49.0191, 56.2456,
25.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	CBCA76
RGB	203, 202, 118
RGB Percent	80%, 79%, 46%
CMY	0.2039, 0.2078, 0.5372
CMYK	0.00, 0.00, 0.42, 0.20
HSL	59°, 45%, 63%
HSV	59°, 42%, 80%
XYZ	49.0191, 56.2456, 25.4124
YIQ	192.7230, 27.5600, -25.9120

Conversions

Conversions Part 2

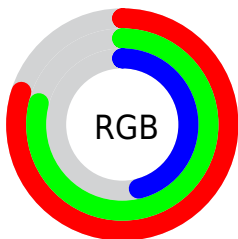
Format	Color
RYB	119, 203, 118
Decimal	13355638
CIELab	79.75, -11.76, 41.95
CIELCh	80, 43.571, 105.658
Yxy	56.2456, 0.3751, 0.4304
Android (android.graphics.Color)	4291545718 (0xFFCBCA76)
YUV	192.7230, -36.8384, 9.0129
Hunter-Lab	74.9971, -14.5748, 32.4078

Details

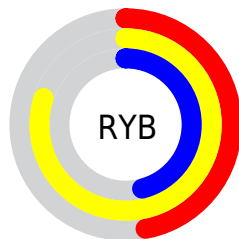
The XYZ color **49.0191, 56.2456, 25.4124** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8474, 21.3563, 59.3123**, and the grayscale version is **50.7252, 53.3668, 58.1165**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **23.6356, 27.7881, 9.4281** is the 20% darker color. If you saturate the color by 10%, you get **47.8852, 55.7050, 19.7100**, and if you desaturate by 10%, it is **50.4154, 56.8954, 32.4844**.

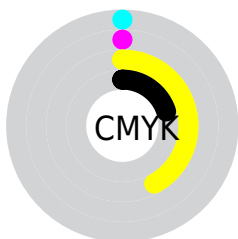
Distribution



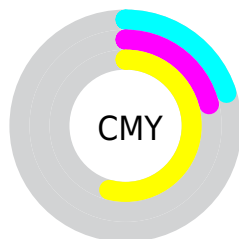
- Red (80%)
- Green (79%)
- Blue (46%)



- Red (47%)
- Yellow (80%)
- Blue (46%)



- Cyan (0%)
- Magenta (0%)
- Yellow (42%)
- Black (20%)



- Cyan (20%)
- Magenta (21%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0191, 56.2456, 25.4124 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 49.0191, 56.2456, 25.4124 by changing the saturation by 10% instead.

■ 49.0191, 56.2456,
25.4124

■ 49.0191, 56.2456,
25.4124

373.3332,
410.6164, 293.3987

■ 34.8492, 40.3999,
16.1628

■ 87.9204, 99.3636,
53.2979

■ 23.7127, 27.8505,
9.4838

■ 113.3825,
127.4046, 72.7708

■ 15.2442, 18.2130,
4.9570

■ 143.3394,
160.2796, 96.4885

■ 9.0784, 11.1030,
2.1637

178.1564,
198.3728, 124.8696

■ 4.8499, 6.1361,
0.6533

218.1990,
242.0687, 158.3327

■ 2.1933, 2.9280,
0.0000

263.8324,

■ 0.7392, 1.0943,

291.7516, 197.2962

0.0000

315.4220,
347.8061, 242.1786

■ 0.0000, 0.0000,
0.0000

■ 49.0191, 56.2456,
25.4124

■ 49.0191, 56.2456,
25.4124

■ 47.8852, 55.7050,
19.7100

■ 50.4154, 56.8954,
32.4844

■ 46.9929, 55.2591,
15.2852

■ 52.0855, 57.6527,
41.0031

■ 46.3247, 54.9030,
12.0401


■ 54.0446, 58.5259,
51.0441


■ 45.8590, 54.6281,
9.8613


■ 56.3062, 59.5201,
62.6768

■ 45.5702, 54.4241,
8.6132


■ 58.8824, 60.6403,
75.9662

 45.4279, 54.2953,
8.0857

 61.7849, 61.8913,
90.9738

 64.1924, 62.9443,
103.3739

 64.2488, 63.0570,
103.3927

 64.3052, 63.1699,
103.4115

Harmonies

Analogous

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



57.7643, 56.2456, 25.2523



49.0191, 56.2456, 25.4124



42.2423, 56.2456, 33.2184

Triad

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



49.0191, 56.2456, 25.4124



42.4778, 56.2456, 102.8777



71.5979, 56.2456, 74.0552

Complementary

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



49.0191, 56.2456, 25.4124



24.8474, 21.3563, 59.3123

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.



66.5057, 56.2456, 101.7686



49.0191, 56.2456, 25.4124



49.3746, 56.2456, 121.2554

Square

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



49.0191, 56.2456, 25.4124



38.7582, 56.2456, 75.2833



58.1608, 56.2456, 120.8013



71.4757, 56.2456, 49.0649

Rectangle

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



49.0191, 56.2456, 25.4124



39.4701, 56.2456, 43.3511



58.1608, 56.2456, 120.8013



70.4168, 56.2456, 83.4810

Sweetspot

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



49.0205, 56.2482, 25.4136



90.0412, 97.7988, 83.1333



34.4622, 26.9959, 20.9793



19.1093, 20.8605, 16.9568



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.



49.0205, 56.2482, 25.4136



80.3896, 93.3776, 34.0366



39.5095, 51.6925, 25.0355



12.1422, 13.0733, 11.9629



28.9153, 34.5635, 5.1474



1.4954, 1.7905, 0.2668

Inverse Universe

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



24.8474, 21.3563, 59.3123



34.7262, 27.4687, 98.0795



31.5730, 24.6487, 59.5933



10.6121, 10.8647, 14.1081



6.8811, 2.7861, 36.1314



0.3588, 0.1513, 1.8652

Previews

White Background



This preview shows how the XYZ color 49.0191, 56.2456, 25.4124 looks on a white background.

Color Contrast Check

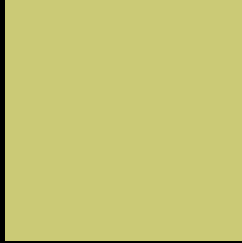
Large Text (above 18pt) WCAG AA × Fail

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 49.0191, 56.2456, 25.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

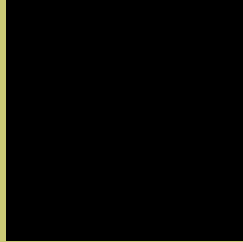
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0191, 56.2456, 25.4124

Background



This preview shows how black text looks on a background with the XYZ color 49.0191, 56.2456, 25.4124.



This preview shows how white text looks on a background with the XYZ color 49.0191, 56.2456,

25.4124.

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

49.0191, 56.2456, 25.4124

Protanopia

51.6654, 56.2481, 24.6569

Deuteranopia

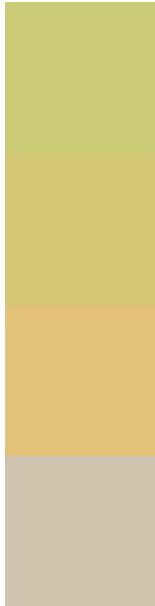
57.2454, 56.1264, 25.9055



Tritanopia

57.5527, 56.3504, 66.8748

Trichromacy



Original Color

49.0191, 56.2456, 25.4124

Protanomaly

50.4983, 55.9801, 24.9733

Deuteranomaly

54.0460, 56.1084, 25.7508

Tritanomaly

53.7723, 56.1303, 48.5576

Monochromacy



Original Color

49.0191, 56.2456, 25.4124

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6488, 54.1033, 43.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0191, 56.2456, 25.4124 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(203, 202, 118)` looks like.

```
.text, #text, p{  
    color:rgb(203, 202, 118)  
}
```

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(203, 202, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 202, 118) }
```

Border

The CSS property to change the border of an element to XYZ 49.0191, 56.2456, 25.4124 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(203, 202, 118) }
```


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

```
.border{ border-color:rgb(203, 202, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 202, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 202, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 202, 118);  
box-shadow:4px 4px 4px 4px rgb(203, 202,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0191, 56.2456, 25.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 202, 118) }
```

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

```
.background{ background-color: rgb(203,  
202, 118) }
```

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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