

Converting Colors

XYZ(51.2351, 56.3905, 29.4605)

Have a look what the booklet for
XYZ(51.2351, 56.3905, 29.4605)
contains.

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Color

**XYZ(51.0310, 56.1602,
29.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	D2C782
RGB	210, 199, 130
RGB Percent	82%, 78%, 51%
CMY	0.1765, 0.2196, 0.4902
CMYK	0.00, 0.05, 0.38, 0.18
HSL	52°, 47%, 67%
HSV	52°, 38%, 82%
XYZ	51.0310, 56.1602, 29.2695
YIQ	194.4230, 28.7050, -19.1270

Conversions

Conversions Part 2

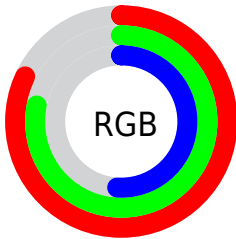
Format	Color
RYB	143, 210, 130
Decimal	13813634
CIELab	79.70, -6.14, 35.93
CIELCh	80, 36.452, 99.695
Yxy	56.1602, 0.3740, 0.4115
Android (android.graphics.Color)	4292003714 (0xFFD2C782)
YUV	194.4230, -31.7605, 13.6610
Hunter-Lab	74.9401, -9.5943, 29.3011

Details

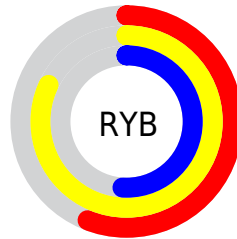
The XYZ color **51.0310, 56.1602, 29.2695** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.3634, 28.4478, 64.8633**, and the grayscale version is **51.7006, 54.3931, 59.2341**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **24.8631, 27.6853, 11.4305** is the 20% darker color. If you saturate the color by 10%, you get **49.1056, 54.3396, 22.3691**, and if you desaturate by 10%, it is **53.2595, 58.1263, 37.6915**.

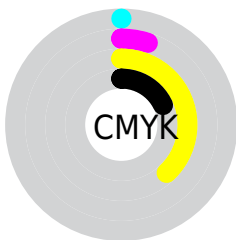
Distribution



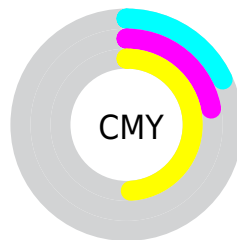
- Red (82%)
- Green (78%)
- Blue (51%)



- Red (56%)
- Yellow (82%)
- Blue (51%)



- Cyan (0%)
- Magenta (5%)
- Yellow (38%)
- Black (18%)



- Cyan (18%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0310, 56.1602, 29.2695 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 51.0310, 56.1602, 29.2695 by changing the saturation by 10% instead.

■ 51.0310, 56.1602,
29.2695

■ 51.0310, 56.1602,
29.2695

381.0699,
410.2949, 312.5850

■ 36.4544, 40.3314,
19.0375

■ 90.8833, 99.2388,
59.5523

■ 24.9571, 27.7970,
11.5203

■ 116.8898,
127.2573, 80.4401

■ 16.1737, 18.1727,
6.2994

■ 147.4369,
160.1079, 105.7169

■ 9.7387, 11.0740,
2.9562

182.8900,
198.1749, 135.8013

■ 5.2870, 6.1167,
1.0723

223.6145,
241.8427, 171.1117

■ 2.4531, 2.9161,
0.0000

269.9758,

■ 0.8717, 1.0881,

291.4957, 212.0668

0.0000

322.3391,
347.5183, 259.0851

■ 0.0000, 0.0000,
0.0000

■ 51.0310, 56.1602,
29.2695

■ 51.0310, 56.1602,
29.2695

■ 49.1056, 54.3396,
22.3691

■ 53.2595, 58.1263,
37.6915

■ 47.4614, 52.6494,
16.8939

■ 55.8031, 60.2366,
47.7165

■ 46.0802, 51.0844,
12.7421


■ 58.6781, 62.4999,
59.4243


■ 44.9398, 49.6356,
9.7970


■ 61.8987, 64.9219,
72.8885


■ 44.0140, 48.2922,
7.9214


■ 65.4780, 67.5080,
88.1781


 43.2646, 47.0391,
6.9141

 69.2667, 70.1985,
104.5067

 43.1304, 46.8059,
6.7612

 70.0141, 71.6933,
104.7558

 70.7746, 73.2142,
105.0093

 71.5481, 74.7613,
105.2671

Harmonies

Analogous

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



58.4412, 56.1602, 30.4725



51.0310, 56.1602, 29.2695



44.8413, 56.1602, 34.9664

Triad

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



51.0310, 56.1602, 29.2695



43.2140, 56.1602, 90.8561



67.7797, 56.1602, 76.3178

Complementary

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



51.0310, 56.1602, 29.2695



30.3634, 28.4478, 64.8633

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.



62.9360, 56.1602, 97.9324



51.0310, 56.1602, 29.2695



48.6171, 56.1602, 107.5741

Square

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



51.0310, 56.1602, 29.2695



40.6100, 56.1602, 68.2303



55.7971, 56.1602, 110.4256



68.5770, 56.1602, 54.5753

Rectangle

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



51.0310, 56.1602, 29.2695



42.0703, 56.1602, 42.8943



55.7971, 56.1602, 110.4256



66.5509, 56.1602, 83.9626

Sweetspot

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



51.0324, 56.1628, 29.2707



89.6407, 95.8883, 86.4206



39.4438, 31.6205, 29.6164



19.0539, 20.4201, 17.9545



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.



51.0324, 56.1628, 29.2707



76.6369, 84.7486, 36.2500



46.3675, 57.6500, 29.8036



12.6591, 13.5090, 12.5523



26.3638, 28.6606, 4.1425



1.5132, 1.6808, 0.2447

Inverse Universe

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



30.3634, 28.4478, 64.8633



40.0077, 35.6498, 99.3802



33.7166, 27.8882, 64.5785



11.2929, 11.6760, 14.9021



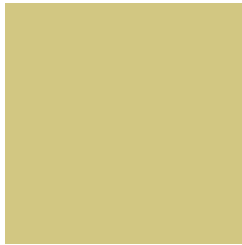
7.4049, 3.4563, 37.4693



0.4576, 0.2804, 2.1096

Previews

White Background



This preview shows how the XYZ color 51.0310, 56.1602, 29.2695 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 51.0310, 56.1602, 29.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

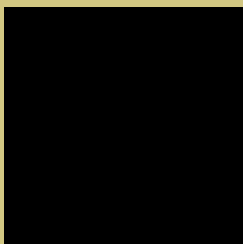
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

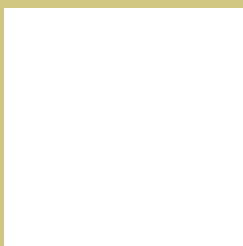
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0310, 56.1602, 29.2695

Background



This preview shows how black text looks on a background with the XYZ color 51.0310, 56.1602, 29.2695.



This preview shows how white text looks on a background with the XYZ color 51.0310, 56.1602,

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

51.0310, 56.1602, 29.2695

Protanopia

51.9530, 55.9646, 28.8329

Deuteranopia

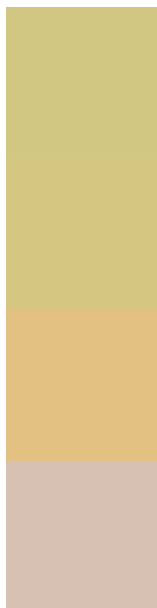
57.2875, 56.0657, 29.6322



Tritanopia

58.3463, 56.1401, 65.5185

Trichromacy



Original Color

51.0310, 56.1602, 29.2695

Protanomaly

51.5971, 56.1193, 28.8815

Deuteranomaly

54.8453, 56.1095, 29.4123

Tritanomaly

55.1302, 55.8014, 49.9845

Monochromacy



Original Color

51.0310, 56.1602, 29.2695

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.9100, 54.6995, 46.4029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0310, 56.1602, 29.2695 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(210, 199, 130)` looks like.

```
.text, #text, p{  
    color:rgb(210, 199, 130)  
}
```

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(210, 199, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 199, 130) }
```

Border

The CSS property to change the border of an element to XYZ 51.0310, 56.1602, 29.2695 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(210, 199, 130) }
```


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

```
.border{ border-color:rgb(210, 199, 130) }
```

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

Here you see how a box with a 4 pixel rgb(210, 199, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 199, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 199, 130);  
box-shadow:4px 4px 4px 4px rgb(210, 199,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0310, 56.1602, 29.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 199, 130) }
```

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

```
.background{ background-color: rgb(210,  
199, 130) }
```

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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