

Converting Colors

XYZ(51.4118, 56.5188, 28.9687)

Have a look what the booklet for
XYZ(51.4118, 56.5188, 28.9687)
contains.

XYZ(51.2498, 56.2807, 28.9310)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2498, 56.2807,
28.9310)**

Conversions

Conversions Part 1

Format	Color
Hex	D3C781
RGB	211, 199, 129
RGB Percent	83%, 78%, 51%
CMY	0.1725, 0.2196, 0.4941
CMYK	0.00, 0.06, 0.39, 0.17
HSL	51°, 48%, 67%
HSV	51°, 39%, 83%
XYZ	51.2498, 56.2807, 28.9310
YIQ	194.6080, 29.6220, -19.2260

Conversions

Conversions Part 2

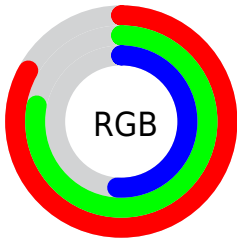
Format	Color
R_{YB}	143, 211, 129
Decimal	13879169
CIE _{Lab}	79.77, -5.85, 36.55
CIE _{LCh}	80, 37.015, 99.099
Yxy	56.2807, 0.3756, 0.4124
Android (android.graphics.Color)	4292069249 (0xFFD3C781)
YUV	194.6080, -32.3447, 14.3758
Hunter-Lab	75.0205, -9.3446, 29.6496

Details

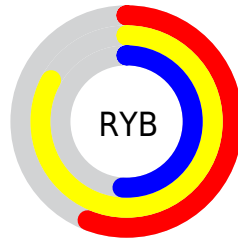
The XYZ color **51.2498, 56.2807, 28.9310** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.3358, 28.4191, 65.5144**, and the grayscale version is **51.8136, 54.5120, 59.3635**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **25.0181, 27.7694, 11.2492** is the 20% darker color. If you saturate the color by 10%, you get **49.2872, 54.3729, 22.0574**, and if you desaturate by 10%, it is **53.5193, 58.3384, 37.3370**.

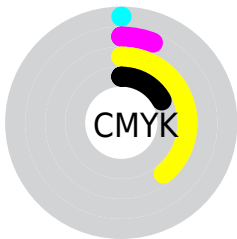
Distribution



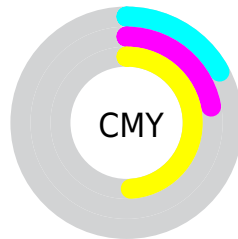
- Red (83%)
- Green (78%)
- Blue (51%)



- Red (56%)
- Yellow (83%)
- Blue (51%)



- Cyan (0%)
- Magenta (6%)
- Yellow (39%)
- Black (17%)



- Cyan (17%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2498, 56.2807, 28.9310 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 51.2498, 56.2807, 28.9310 by changing the saturation by 10% instead.

■ 51.2498, 56.2807,
28.9310

■ 51.2498, 56.2807,
28.9310

381.9052,
410.7485, 310.9400

■ 36.6293, 40.4280,
18.7835

■ 91.2047, 99.4149,
59.0083

■ 25.0930, 27.8724,
11.3387

■ 117.2698,
127.4652, 79.7752

■ 16.2754, 18.2295,
6.1781

■ 147.8805,
160.3501, 104.9190

■ 9.8113, 11.1149,
2.8832

183.4022,
198.4541, 134.8582

■ 5.3354, 6.1442,
1.0353

224.2001,
242.1615, 170.0114

■ 2.4821, 2.9329,
0.0000

270.6397,

■ 0.8862, 1.0968,

291.8568, 210.7970

0.0000

323.0863,
347.9243, 257.6337

■ 0.0000, 0.0000,
0.0000

■ 51.2498, 56.2807,
28.9310

■ 51.2498, 56.2807,
28.9310

■ 49.2872, 54.3729,
22.0574

■ 53.5193, 58.3384,
37.3370

■ 47.6091, 52.5997,
16.6180

■ 56.1079, 60.5449,
47.3583

■ 46.1971, 50.9558,
12.5090

■ 59.0323, 62.9090,
59.0762

■ 45.0282, 49.4318,
9.6107

■ 62.3069, 65.4366,
72.5653

■ 44.0757, 48.0168,
7.7824

■ 65.9449, 68.1332,
87.8960

■ 43.2968, 46.6936,
6.7998

■ 69.8620, 70.9651,
104.6233

■ 43.2126, 46.5462,
6.7068

■ 70.6676, 72.5763,
104.8918

■ 71.4882, 74.2173,
105.1653

■ 72.3237, 75.8885,
105.4438

Harmonies

Analogous

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



58.7926, 56.2807, 30.2813



51.2498, 56.2807, 28.9310



44.9219, 56.2807, 34.5398

Triad

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



51.2498, 56.2807, 28.9310



43.0852, 56.2807, 91.1165



68.0929, 56.2807, 77.1892

Complementary

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



51.2498, 56.2807, 28.9310



30.3358, 28.4191, 65.5144

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.



63.0906, 56.2807, 99.1475



51.2498, 56.2807, 28.9310



48.5221, 56.2807, 108.4026

Square

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



51.2498, 56.2807, 28.9310



40.5057, 56.2807, 68.0305



55.8010, 56.2807, 111.6424



68.9964, 56.2807, 54.9917

Rectangle

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



51.2498, 56.2807, 28.9310



42.0719, 56.2807, 42.4593



55.8010, 56.2807, 111.6424



66.8141, 56.2807, 84.9737

Sweetspot

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



51.2512, 56.2833, 28.9322



89.0975, 95.3609, 84.5163



39.5447, 31.4820, 29.3096



18.9421, 20.3078, 17.5736



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.



51.2512, 56.2833, 28.9322



76.0439, 83.8537, 35.1545



46.6193, 58.1552, 29.5376



12.6499, 13.4905, 12.5493



26.1375, 28.2081, 4.0671



1.5026, 1.6595, 0.2411

Inverse Universe

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



30.3358, 28.4191, 65.5144



39.4049, 35.0616, 99.2984



33.6503, 27.6431, 65.1900



11.3012, 11.6927, 14.9049



7.4354, 3.5174, 37.4795



0.4615, 0.2883, 2.1109

Previews

White Background



This preview shows how the XYZ color 51.2498, 56.2807, 28.9310 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 51.2498, 56.2807, 28.9310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

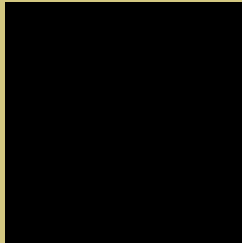
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2498, 56.2807, 28.9310

Background



This preview shows how black text looks on a background with the XYZ color 51.2498, 56.2807, 28.9310.



This preview shows how white text looks on a background with the XYZ color 51.2498, 56.2807,

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

51.2498, 56.2807, 28.9310

Protanopia

52.1147, 56.3938, 28.5604

Deuteranopia

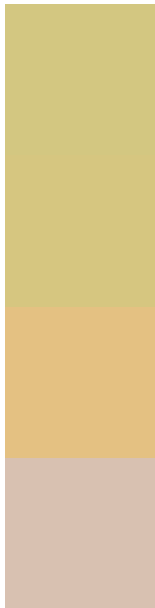
57.2194, 56.0384, 29.2734



Tritanopia

58.6463, 56.2948, 65.5326

Trichromacy



Original Color

51.2498, 56.2807, 28.9310

Protanomaly

51.8219, 56.2428, 28.5467

Deuteranomaly

55.0941, 56.2456, 29.0718

Tritanomaly

55.3247, 55.9132, 49.4714

Monochromacy



Original Color

51.2498, 56.2807, 28.9310

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.1780, 54.8376, 46.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2498, 56.2807, 28.9310 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(211, 199, 129)` looks like.

```
.text, #text, p{  
    color:rgb(211, 199, 129)  
}
```

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(211, 199, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 199, 129) }
```

Border

The CSS property to change the border of an element to XYZ 51.2498, 56.2807, 28.9310 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(211, 199, 129) }
```


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

```
.border{ border-color:rgb(211, 199, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 199, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 199, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 199, 129);  
box-shadow:4px 4px 4px 4px rgb(211, 199,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2498, 56.2807, 28.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 199, 129) }
```

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

```
.background{ background-color: rgb(211,  
199, 129) }
```

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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