

Converting Colors

XYZ(56.3849, 68.0952, 16.7150)

Have a look what the booklet for
XYZ(56.3849, 68.0952, 16.7150)
contains.

XYZ(56.2390, 68.0215, 16.6439)	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(56.2390, 68.0215,
16.6439)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DF4A
RGB	217, 223, 74
RGB Percent	85%, 87%, 29%
CMY	0.1490, 0.1255, 0.7098
CMYK	0.03, 0.00, 0.67, 0.13
HSL	62°, 70%, 58%
HSV	62°, 67%, 87%
XYZ	56.2390, 68.0215, 16.6439
YIQ	204.2200, 44.2530, -47.6110

Conversions

Conversions Part 2

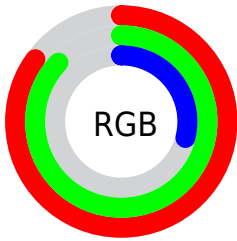
Format	Color
RYB	74, 223, 80
Decimal	14278474
CIELab	86.02, -19.97, 68.95
CIElCh	86, 71.787, 106.150
Yxy	68.0215, 0.3991, 0.4827
Android (android.graphics.Color)	4292468554 (0xFFD9DF4A)
YUV	204.2200, -64.1985, 11.2081
Hunter-Lab	82.4751, -22.6141, 45.7676

Details

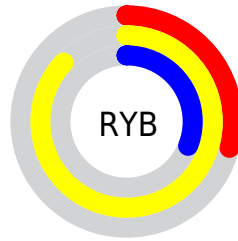
The XYZ color **56.2390, 68.0215, 16.6439** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.0784, 11.9322, 71.1138**, and the grayscale version is **57.9093, 60.9251, 66.3475**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **28.3007, 35.3762, 5.3367** is the 20% darker color. If you saturate the color by 10%, you get **55.3511, 67.6381, 13.3521**, and if you desaturate by 10%, it is **57.3978, 68.5185, 21.3404**.

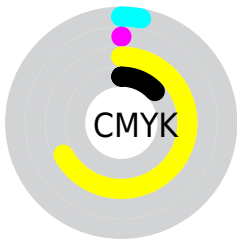
Distribution



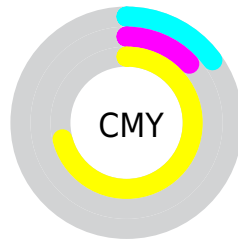
- Red (85%)
- Green (87%)
- Blue (29%)



- Red (29%)
- Yellow (87%)
- Blue (31%)



- Cyan (3%)
- Magenta (0%)
- Yellow (67%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2390, 68.0215, 16.6439 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 56.2390, 68.0215, 16.6439 by changing the saturation by 10% instead.

■ 56.2390, 68.0215,
16.6439

■ 56.2390, 68.0215,
16.6439

400.6520,
453.5722, 245.0859

■ 40.6323, 49.9152,
9.8217

■ 98.4917, 116.3829,
38.4947

■ 28.2183, 35.3460,
5.1768

■ 125.8685,
147.4068, 54.3604

■ 18.6316, 23.9296,
2.2908

■ 157.8993,
183.5054, 74.0776

■ 11.5068, 15.2814,
0.7261

■ 194.9496,
225.0631, 98.0649

■ 6.4786, 9.0171,
0.0000

■ 237.3846,
272.4642, 126.7409

■ 3.1816, 4.7523,
0.0000

285.5698,

■ 1.2505, 2.1027,

326.0931, 160.5240

0.0000

339.8705,
386.3343, 199.8328

■ 0.1457, 0.6661,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2390, 68.0215,
16.6439

■ 56.2390, 68.0215,
16.6439

■ 55.3511, 67.6381,
13.3521

■ 57.3978, 68.5185,
21.3404

■ 54.6996, 67.3469,
11.3050


■ 58.8479, 69.1297,
27.5707


■ 54.2481, 67.1358,
10.3033


■ 60.6134, 69.8672,
35.4539


■ 54.1256, 67.0771,
10.0945


■ 62.7144, 70.7390,
45.0964

 65.1695, 71.7527,
56.5954

 67.9957, 72.9149,
70.0413

 71.2091, 74.2323,
85.5184

 74.8247, 75.7107,
103.1061

 75.5187, 76.0206,
105.3009

Harmonies

Analogous

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



72.5325, 68.0215, 16.2982



56.2390, 68.0215, 16.6439



44.4006, 68.0215, 27.3290

Triad

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



56.2390, 68.0215, 16.6439



45.1035, 68.0215, 160.5971



100.5265, 68.0215, 97.9626

Complementary

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



56.2390, 68.0215, 16.6439



19.0784, 11.9322, 71.1138

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.



90.2809, 68.0215, 156.3252



56.2390, 68.0215, 16.6439



57.3647, 68.0215, 201.6100

Square

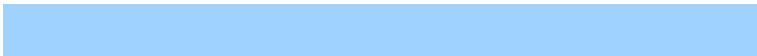
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.2390, 68.0215, 16.6439



38.7577, 68.0215, 102.2589



73.8656, 68.0215, 199.7796



100.0858, 68.0215, 51.5955

Rectangle

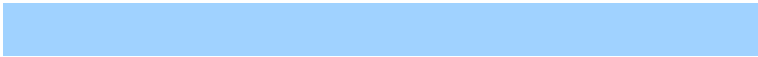
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.2390, 68.0215, 16.6439



39.8011, 68.0215, 43.1142



73.8656, 68.0215, 199.7796



98.1520, 68.0215, 117.1162

Sweetspot

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



56.2406, 68.0246, 16.6453



87.1468, 96.7518, 71.2086



34.4634, 21.7713, 8.8653



18.4507, 20.6253, 14.2935



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.



56.2406, 68.0246, 16.6453



74.6365, 91.4926, 16.8580



39.0466, 59.1608, 15.8406



14.8143, 15.9999, 14.6143



31.8471, 39.4503, 5.9361



2.2247, 2.7433, 0.4123

Inverse Universe

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



19.0784, 11.9322, 71.1138



21.0507, 10.5243, 95.5296



28.9954, 17.0446, 71.5780



13.0029, 13.2695, 17.2636



7.9203, 3.1784, 41.2444



0.5673, 0.2297, 2.8597

Previews

White Background



This preview shows how the XYZ color 56.2390, 68.0215, 16.6439 looks on a white background.

Color Contrast Check

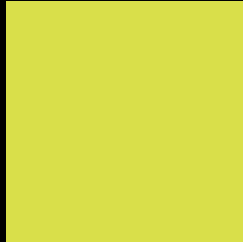
Large Text (above 18pt) WCAG AA × Fail

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 56.2390, 68.0215, 16.6439 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 56.2390, 68.0215, 16.6439

Background



This preview shows how black text looks on a background with the XYZ color 56.2390, 68.0215, 16.6439.



This preview shows how white text looks on a background with the XYZ color 56.2390, 68.0215,

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

56.2390, 68.0215, 16.6439

Protanopia

61.4053, 67.5940, 15.9414

Deuteranopia

67.8559, 67.6069, 32.0273



Tritanopia

69.1015, 67.5369, 80.6281

Trichromacy



Original Color

56.2390, 68.0215, 16.6439

Protanomaly

59.5527, 67.7797, 16.2473

Deuteranomaly

62.9945, 67.4591, 25.0300

Tritanomaly

62.4140, 66.6595, 47.6072

Monochromacy



Original Color

56.2390, 68.0215, 16.6439

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

55.6746, 62.5782, 41.0427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2390, 68.0215, 16.6439 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(217, 223, 74)` looks like.

```
.text, #text, p{  
    color:rgb(217, 223, 74)  
}
```

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(217, 223, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 223, 74) }
```

Border

The CSS property to change the border of an element to XYZ 56.2390, 68.0215, 16.6439 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(217, 223, 74) }
```


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

```
.border{ border-color:rgb(217, 223, 74) }
```

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

Here you see how a box with a 4 pixel rgb(217, 223, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 223, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 223, 74);  
box-shadow:4px 4px 4px 4px rgb(217, 223,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2390, 68.0215, 16.6439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 223, 74) }
```

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

```
.background{ background-color: rgb(217,  
223, 74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor