

Converting Colors

XYZ(56.7056, 68.5138, 18.2744)

Have a look what the booklet for
XYZ(56.7056, 68.5138, 18.2744)
contains.

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Color

**XYZ(56.7939, 68.6722,
18.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E052
RGB	217, 224, 82
RGB Percent	85%, 88%, 32%
CMY	0.1490, 0.1215, 0.6784
CMYK	0.03, 0.00, 0.63, 0.12
HSL	63°, 70%, 60%
HSV	63°, 63%, 88%
XYZ	56.7939, 68.6722, 18.2443
YIQ	205.7190, 41.4100, -45.6460

Conversions

Conversions Part 2

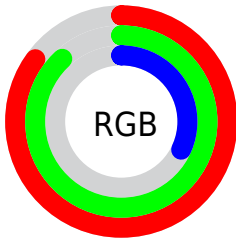
Format	Color
R _Y B	82, 224, 89
Decimal	14278738
CIE Lab	86.34, -19.99, 66.19
CIE LCh	86, 69.143, 106.804
Yxy	68.6722, 0.3952, 0.4779
Android (android.graphics.Color)	4292468818 (0xFFD9E052)
YUV	205.7190, -60.9935, 9.8934
Hunter-Lab	82.8687, -22.6856, 44.9548

Details

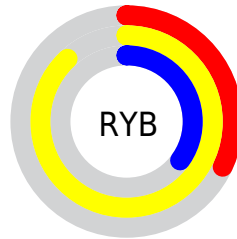
The XYZ color **56.7939, 68.6722, 18.2443** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **20.5938, 13.5417, 72.0536**, and the grayscale version is **58.8472, 61.9119, 67.4220**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **28.5872, 35.7873, 5.9313** is the 20% darker color. If you saturate the color by 10%, you get **55.7501, 68.2194, 14.4496**, and if you desaturate by 10%, it is **58.1213, 69.2438, 23.5068**.

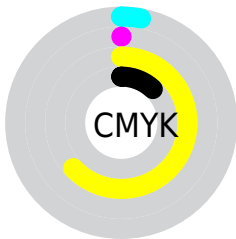
Distribution



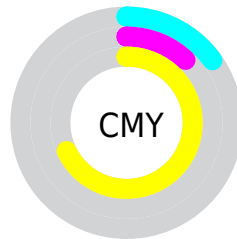
- Red (85%)
- Green (88%)
- Blue (32%)



- Red (32%)
- Yellow (88%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (63%)
- Black (12%)





- Cyan (15%)
- Magenta (12%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7939, 68.6722, 18.2443 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 56.7939, 68.6722, 18.2443 by changing the saturation by 10% instead.


 56.7939, 68.6722,
18.2443

 56.7939, 68.6722,
18.2443


402.7033,
455.8740, 254.5267

 41.0793, 50.4448,
10.9543


 99.2975, 117.3133,
41.2727


 28.5690, 35.7669,
5.9223


 126.8172,
148.4957, 57.8482

 18.8976, 24.2543,
2.7299


 159.0026,
184.7653, 78.3559

 11.6999, 15.5223,
0.9584

 196.2191,
226.5064, 103.2143

 6.6104, 9.1868,
0.0000

238.8321,
274.1034, 132.8421

 3.2638, 4.8632,
0.0000

287.2069,

 1.2948, 2.1672,

327.9408, 167.6577

0.0000

341.7088,
388.4028, 208.0797

■ 0.1793, 0.7020,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7939, 68.6722,
18.2443

■ 56.7939, 68.6722,
18.2443

■ 55.7501, 68.2194,
14.4496

■ 58.1213, 69.2438,
23.5068

■ 54.9568, 67.8645,
11.9697


■ 59.7520, 69.9344,
30.3617


■ 54.3814, 67.5970,
10.6259


■ 61.7092, 70.7559,
38.9249


■ 54.0843, 67.4536,
10.1693


■ 64.0129, 71.7162,
49.3007

 66.6811, 72.8226,
61.5849

 69.7309, 74.0819,
75.8665

 73.1781, 75.5003,
92.2291

 76.0216, 76.6776,
105.4012

 76.3690, 76.8567,
105.4175

Harmonies

Analogous

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



72.5311, 68.6722, 17.6907



56.7939, 68.6722, 18.2443



45.3553, 68.6722, 29.3006

Triad

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



56.7939, 68.6722, 18.2443



46.4357, 68.6722, 158.9012



99.9444, 68.6722, 96.6870

Complementary

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



56.7939, 68.6722, 18.2443



20.5938, 13.5417, 72.0536

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.



90.2999, 68.6722, 152.5204



56.7939, 68.6722, 18.2443



58.5121, 68.6722, 197.1516

Square

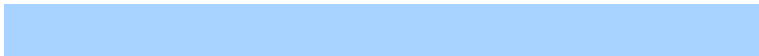
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.7939, 68.6722, 18.2443



40.0776, 68.6722, 103.1713



74.5520, 68.6722, 194.4306



99.2814, 68.6722, 52.1309

Rectangle

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



56.7939, 68.6722, 18.2443



40.9291, 68.6722, 45.2193



74.5520, 68.6722, 194.4306



97.7413, 68.6722, 115.0127

Sweetspot

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



56.7955, 68.6754, 18.2457



87.3335, 96.8124, 72.8271



35.6524, 23.2315, 10.5885



18.4790, 20.6330, 14.6073



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.



56.7955, 68.6754, 18.2457



74.4168, 91.3504, 18.1534



40.4423, 60.2450, 17.4804



14.8014, 15.9933, 14.6137



31.5087, 39.2758, 5.9203



2.2048, 2.7331, 0.4113

Inverse Universe

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



20.5938, 13.5417, 72.0536



22.3106, 11.9095, 95.7306



30.5221, 18.6600, 72.5182



13.0143, 13.2754, 17.2642



7.9402, 3.1886, 41.2453



0.5728, 0.2326, 2.8599

Previews

White Background



This preview shows how the XYZ color 56.7939, 68.6722, 18.2443 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 56.7939, 68.6722, 18.2443 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 56.7939, 68.6722, 18.2443

Background



This preview shows how black text looks on a background with the XYZ color 56.7939, 68.6722, 18.2443.

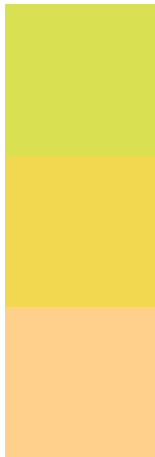


This preview shows how white text looks on a background with the XYZ color 56.7939, 68.6722,

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

56.7939, 68.6722, 18.2443

Protanopia

62.2795, 68.3917, 17.5079

Deuteranopia

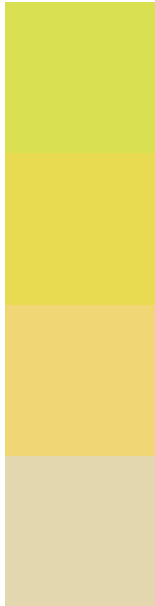
68.4561, 68.2358, 33.9889



Tritanopia

69.7291, 68.5731, 81.5123

Trichromacy



Original Color

56.7939, 68.6722, 18.2443

Protanomaly

60.0954, 68.4129, 17.8222

Deuteranomaly

63.5922, 68.1019, 26.9329

Tritanomaly

63.3045, 67.8256, 49.7996

Monochromacy



Original Color

56.7939, 68.6722, 18.2443

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

56.8056, 63.8633, 43.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7939, 68.6722, 18.2443 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, 224, 82)` looks like.

```
.text, #text, p{  
    color:rgb(217, 224, 82)  
}
```

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, 224, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 224, 82) }
```

Border

The CSS property to change the border of an element to XYZ 56.7939, 68.6722, 18.2443 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, 224, 82) }
```


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

```
.border{ border-color:rgb(217, 224, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 224, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 224, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 224, 82);  
box-shadow:4px 4px 4px 4px rgb(217, 224,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7939, 68.6722, 18.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 224, 82) }
```

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

```
.background{ background-color: rgb(217,  
224, 82) }
```

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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