

Converting Colors

XYZ(56.6829, 73.1192, 20.5899)

Have a look what the booklet for
XYZ(56.6829, 73.1192, 20.5899)
contains.

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Color

**XYZ(56.6883, 73.1171,
20.5764)**

Conversions

Conversions Part 1

Format	Color
Hex	CDEB59
RGB	205, 235, 89
RGB Percent	80%, 92%, 35%
CMY	0.1961, 0.0784, 0.6510
CMYK	0.13, 0.00, 0.62, 0.08
HSL	72°, 78%, 64%
HSV	72°, 62%, 92%
XYZ	56.6883, 73.1171, 20.5764
YIQ	209.3860, 28.9860, -51.7660

Conversions

Conversions Part 2

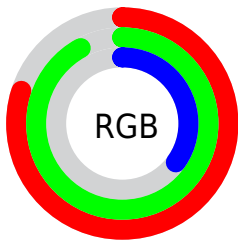
Format	Color
R_{YB}	89, 235, 119
Decimal	13495129
CIE _{Lab}	88.50, -29.57, 65.41
CIE _{LCh}	89, 71.781, 114.327
Yxy	73.1171, 0.3770, 0.4862
Android (android.graphics.Color)	4291685209 (0xFFCDEB59)
YUV	209.3860, -59.3503, -3.8465
Hunter-Lab	85.5085, -31.3025, 45.5887

Details

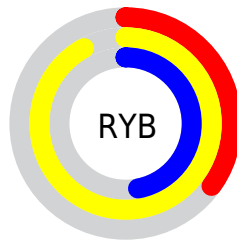
The XYZ color **56.6883, 73.1171, 20.5764** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **26.1782, 17.0667, 80.5162**, and the grayscale version is **61.2209, 64.4091, 70.1415**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **28.5424, 38.6199, 7.0487** is the 20% darker color. If you saturate the color by 10%, you get **54.5435, 72.1102, 16.1218**, and if you desaturate by 10%, it is **59.1926, 74.2777, 26.6943**.

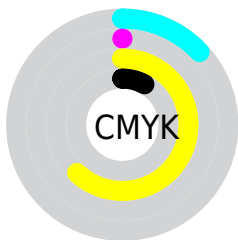
Distribution



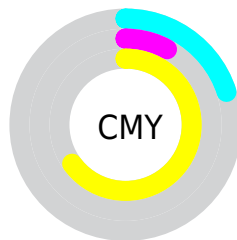
- Red (80%)
- Green (92%)
- Blue (35%)



- Red (35%)
- Yellow (92%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (62%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6883, 73.1171, 20.5764 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 56.6883, 73.1171, 20.5764 by changing the saturation by 10% instead.

■ 56.6883, 73.1171,
20.5764

■ 56.6883, 73.1171,
20.5764

402.3134,
471.4206, 267.7253

■ 40.9942, 54.0717,
12.6265

■ 99.1442, 123.6434,
45.2531

■ 28.5022, 38.6590,
7.0442

■ 126.6368,
155.8932, 62.8169

■ 18.8470, 26.4946,
3.4109

■ 158.7928,
193.3132, 84.4225

■ 11.6631, 17.1940,
1.3081

■ 195.9777,
236.2878, 110.4884

■ 6.5853, 10.3729,
0.0684

238.5569,
285.2014, 141.4330

■ 3.2481, 5.6469,
0.0000

286.8957,

■ 1.2863, 2.6316,

340.4385, 177.6751

0.0000

341.3594,
402.3834, 219.6330

■ 0.1729, 0.9426,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6883, 73.1171,
20.5764

■ 56.6883, 73.1171,
20.5764

■ 54.5435, 72.1102,
16.1218

■ 59.1926, 74.2777,
26.6943

■ 52.7215, 71.2346,
13.1617


■ 62.0787, 75.5933,
34.6137


■ 51.1861, 70.4782,
11.4999


■ 65.3728, 77.0769,
44.4635


■ 50.1319, 69.9479,
10.8591

■ 69.0974, 78.7375,
56.3595

 73.2729, 80.5835,
70.4085

 77.9187, 82.6225,
86.7097

 83.0528, 84.8617,
105.3564

 84.9429, 85.8085,
106.6935

 86.6377, 86.6822,
106.7728

Harmonies

Analogous

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



72.8318, 73.1171, 17.5046



56.6883, 73.1171, 20.5764



45.8495, 73.1171, 36.0176

Triad

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



56.6883, 73.1171, 20.5764



51.8658, 73.1171, 184.6208



108.0759, 73.1171, 89.3932

Complementary

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



56.6883, 73.1171, 20.5764



26.1782, 17.0667, 80.5162

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.



100.1294, 73.1171, 148.9885



56.6883, 73.1171, 20.5764



66.2628, 73.1171, 216.7910

Square

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



56.6883, 73.1171, 20.5764



43.4053, 73.1171, 125.5924



84.0998, 73.1171, 201.5950



104.3777, 73.1171, 46.4968

Rectangle

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



56.6883, 73.1171, 20.5764



42.1645, 73.1171, 56.5748



84.0998, 73.1171, 201.5950



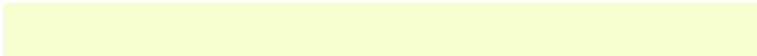
106.6425, 73.1171, 108.1822

Sweetspot

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



56.6900, 73.1204, 20.5779



84.6385, 95.4231, 72.7010



42.5688, 31.3896, 13.2674



17.8186, 20.2926, 14.5764



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.



56.6900, 73.1204, 20.5779



64.9068, 86.4397, 18.0768



41.1555, 65.1120, 19.8509



16.0312, 17.4616, 16.0442



28.0077, 38.9830, 6.0483



2.2756, 3.1004, 0.4785

Inverse Universe

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



26.1782, 17.0667, 80.5162



25.4693, 13.7455, 95.9185



40.1066, 24.2470, 81.1680



14.5204, 14.6980, 18.9939



9.1161, 3.7355, 43.9835



0.7934, 0.3333, 3.4574

Previews

White Background



This preview shows how the XYZ color 56.6883, 73.1171, 20.5764 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 56.6883, 73.1171, 20.5764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

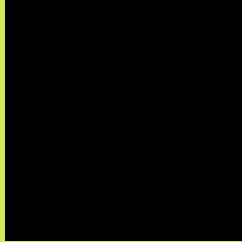
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6883, 73.1171, 20.5764

Background



This preview shows how black text looks on a background with the XYZ color 56.6883, 73.1171, 20.5764.



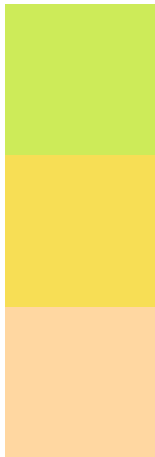
This preview shows how white text looks on a background with the XYZ color 56.6883, 73.1171,

20.5764.

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

56.6883, 73.1171, 20.5764

Protanopia

66.1187, 72.6726, 19.1367

Deuteranopia

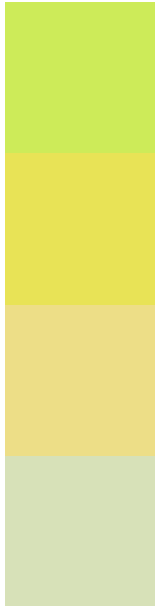
71.9735, 72.4341, 43.9060



Tritanopia

70.8446, 72.7316, 91.1936

Trichromacy



Original Color

56.6883, 73.1171, 20.5764

Protanomaly

62.4275, 72.7659, 19.5590

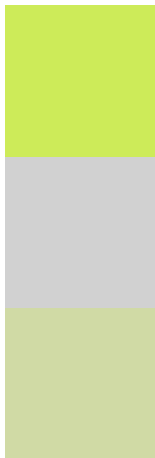
Deuteranomaly

65.4195, 71.9963, 33.3704

Tritanomaly

63.6013, 71.7582, 55.8460

Monochromacy



Original Color

56.6883, 73.1171, 20.5764

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

57.8754, 66.2693, 45.3382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6883, 73.1171, 20.5764 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(205, 235, 89)` looks like.

```
.text, #text, p{  
    color:rgb(205, 235, 89)  
}
```

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(205, 235, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 235, 89) }
```

Border

The CSS property to change the border of an element to XYZ 56.6883, 73.1171, 20.5764 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(205, 235, 89) }
```


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

```
.border{ border-color:rgb(205, 235, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 235, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 235, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 235, 89);  
box-shadow:4px 4px 4px 4px rgb(205, 235,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6883, 73.1171, 20.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 235, 89) }
```

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

```
.background{ background-color: rgb(205,  
235, 89) }
```

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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