

Converting Colors

XYZ(59.0019, 72.3011, 16.4776)

Have a look what the booklet for
XYZ(59.0019, 72.3011, 16.4776)
contains.

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Color

**XYZ(58.8862, 72.2389,
16.4701)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE645
RGB	220, 230, 69
RGB Percent	86%, 90%, 27%
CMY	0.1373, 0.0980, 0.7294
CMYK	0.04, 0.00, 0.70, 0.10
HSL	64°, 76%, 59%
HSV	64°, 70%, 90%
XYZ	58.8862, 72.2389, 16.4701
YIQ	208.6560, 45.7210, -52.1910

Conversions

Conversions Part 2

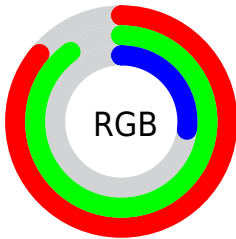
Format	Color
R_{YB}	69, 230, 79
Decimal	14476869
CIE _{Lab}	88.08, -22.39, 72.89
CIE _{LCh}	88, 76.251, 107.074
Yxy	72.2389, 0.3990, 0.4894
Android (android.graphics.Color)	4292666949 (0xFFDCE645)
YUV	208.6560, -68.8504, 9.9487
Hunter-Lab	84.9935, -25.0681, 48.0062




Details

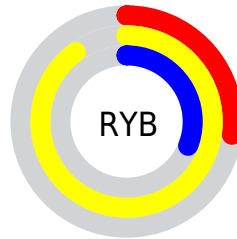
The XYZ color **58.8862, 72.2389, 16.4701** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **19.6377, 11.6332, 76.0777**, and the grayscale version is **60.7955, 63.9616, 69.6542**.



A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **30.0279, 38.2370, 5.7978** is the 20% darker color. If you saturate the color by 10%, you get **57.8759, 71.7877, 13.3913**, and if you desaturate by 10%, it is **60.1801, 72.8093, 21.0085**.

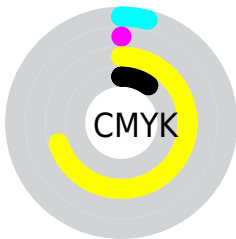
Distribution







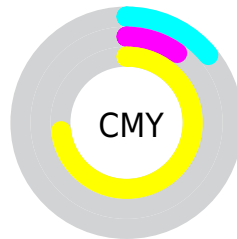
-  Red (86%)
-  Green (90%)
-  Blue (27%)






-  Red (27%)
-  Yellow (90%)
-  Blue (31%)



-  Cyan (4%)
-  Magenta (0%)
-  Yellow (70%)
-  Black (10%)



-  Cyan (14%)
-  Magenta (10%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8862, 72.2389, 16.4701 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 58.8862, 72.2389, 16.4701 by changing the saturation by 10% instead.

■ 58.8862, 72.2389,
16.4701

■ 58.8862, 72.2389,
16.4701

410.3809,
468.3727, 244.0396

■ 42.7675, 53.3539,
9.6995

■ 102.3278,
122.3961, 38.1905

■ 29.8965, 38.0853,
5.0972

■ 130.3815,
154.4371, 53.9774

■ 19.9077, 26.0489,
2.2447

■ 163.1442,
191.6321, 73.6067

■ 12.4359, 16.8602,
0.7000

■ 200.9813,
234.3657, 97.4971

■ 7.1155, 10.1349,
0.0000

■ 244.2582,
283.0221, 126.0670

■ 3.5814, 5.4885,
0.0000

293.3402,

■ 1.4682, 2.5366,

337.9859, 159.7350

0.0000

348.5926,
399.6412, 198.9197

■ 0.3040, 0.8949,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8862, 72.2389,
16.4701

■ 58.8862, 72.2389,
16.4701

■ 57.8759, 71.7877,
13.3913

■ 60.1801, 72.8093,
21.0085

■ 57.1102, 71.4321,
11.5886

■ 61.7812, 73.5004,
27.1525

■ 56.5321, 71.1519,
10.7542

■ 63.7163, 74.3255,
35.0357

■ 56.5320, 71.1518,
10.7541

■ 66.0077, 75.2936,
44.7761

■ 68.6761, 76.4128,
56.4817

■ 71.7403, 77.6908,
70.2522

■ 75.2179, 79.1347,
86.1803

■ 79.1256, 80.7510,
104.3534

■ 79.9087, 81.1179,
106.0534

Harmonies

Analogous

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



76.7936, 72.2389, 15.8165



58.8862, 72.2389, 16.4701



46.0837, 72.2389, 28.2252

Triad

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



58.8862, 72.2389, 16.4701



47.4712, 72.2389, 177.2847



108.7479, 72.2389, 103.2831

Complementary

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



58.8862, 72.2389, 16.4701



19.6377, 11.6332, 76.0777

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.



97.6188, 72.2389, 168.6077



58.8862, 72.2389, 16.4701



61.1237, 72.2389, 222.4380

Square

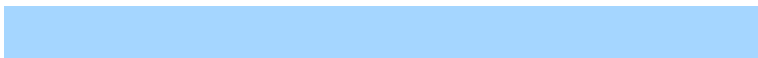
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.8862, 72.2389, 16.4701



40.3374, 72.2389, 111.9200



79.4615, 72.2389, 218.7025



107.8591, 72.2389, 52.7372

Rectangle

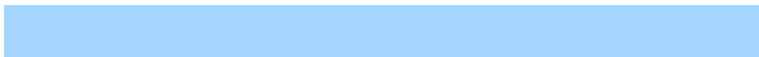
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.8862, 72.2389, 16.4701



41.2009, 72.2389, 45.7070



79.4615, 72.2389, 218.7025



106.2157, 72.2389, 124.5340

Sweetspot

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



58.8879, 72.2422, 16.4716



86.3818, 96.3925, 69.5891



36.3672, 22.5693, 8.0707



18.2816, 20.5450, 13.9781



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.



58.8879, 72.2422, 16.4716



72.6674, 90.5006, 15.7180



40.4350, 62.7294, 15.6080



15.5085, 16.7692, 15.3238



32.0423, 40.2999, 6.0899



2.3948, 2.9919, 0.4513

Inverse Universe

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



19.6377, 11.6332, 76.0777



20.3634, 9.5795, 95.3835



30.4256, 17.1946, 76.5826



13.6653, 13.9297, 18.1128



8.2255, 3.3063, 42.5878



0.6372, 0.2595, 3.1485

Previews

White Background



This preview shows how the XYZ color 58.8862, 72.2389, 16.4701 looks on a white background.

Color Contrast Check

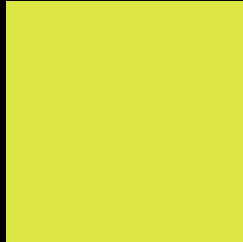
Large Text (above 18pt) WCAG AA × Fail

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 58.8862, 72.2389, 16.4701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

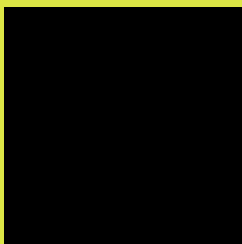
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

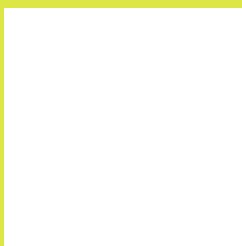
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8862, 72.2389, 16.4701

Background



This preview shows how black text looks on a background with the XYZ color 58.8862, 72.2389, 16.4701.



This preview shows how white text looks on a background with the XYZ color 58.8862, 72.2389,

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

58.8862, 72.2389, 16.4701

Protanopia

65.2273, 71.8923, 15.7489

Deuteranopia

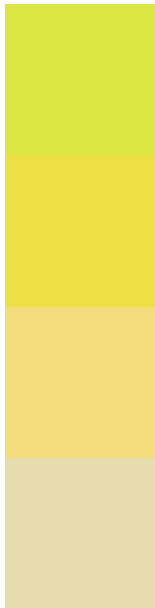
71.2873, 71.7534, 41.5450



Tritanopia

73.1269, 72.0892, 86.4043

Trichromacy



Original Color

58.8862, 72.2389, 16.4701

Protanomaly

62.6241, 71.7332, 16.0141

Deuteranomaly

65.8492, 71.5189, 29.4027

Tritanomaly

65.7692, 71.0265, 49.7782

Monochromacy



Original Color

58.8862, 72.2389, 16.4701

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.4250, 66.2405, 42.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8862, 72.2389, 16.4701 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(220, 230, 69)` looks like.

```
.text, #text, p{  
    color:rgb(220, 230, 69)  
}
```

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(220, 230, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 230, 69) }
```

Border

The CSS property to change the border of an element to XYZ 58.8862, 72.2389, 16.4701 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(220, 230, 69) }
```


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

```
.border{ border-color:rgb(220, 230, 69) }
```

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

Here you see how a box with a 4 pixel rgb(220, 230, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 230, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 230, 69);  
box-shadow:4px 4px 4px 4px rgb(220, 230,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8862, 72.2389, 16.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 230, 69) }
```

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

```
.background{ background-color: rgb(220,  
230, 69) }
```

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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