

Converting Colors

XYZ(59.6822, 72.6444, 16.8371)

Have a look what the booklet for
XYZ(59.6822, 72.6444, 16.8371)
contains.

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Color

**XYZ(59.5583, 72.5782,
16.8312)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DEE647 |
| RGB | 222, 230, 71 |
| RGB Percent | 87%, 90%, 28% |
| CMY | 0.1294, 0.0980, 0.7215 |
| CMYK | 0.03, 0.00, 0.69, 0.10 |
| HSL | 63°, 76%, 59% |
| HSV | 63°, 69%, 90% |
| XYZ | 59.5583, 72.5782, 16.8312 |
| YIQ | 209.4820, 46.2710, -51.1450 |

Conversions

Conversions Part 2

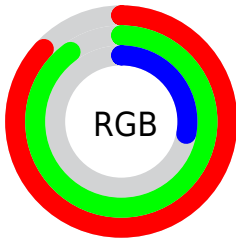
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 71, 230, 79 |
| Decimal | 14607943 |
| CIELab | 88.25, -21.47, 72.40 |
| CIELCh | 88, 75.516, 106.521 |
| Yxy | 72.5782, 0.3998, 0.4872 |
| Android (android.graphics.Color) | 4292798023 (0xFFDEE647) |
| YUV | 209.4820, -68.2716, 10.9783 |
| Hunter-Lab | 85.1928, -24.2982, 47.9213 |

Details

The XYZ color **59.5583, 72.5782, 16.8312** 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 **19.7629, 11.8835, 76.1196**, and the grayscale version is **61.3327, 64.5267, 70.2696**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **30.4342, 38.4465, 5.8169** is the 20% darker color. If you saturate the color by 10%, you get **58.6025, 72.1577, 13.6360**, and if you desaturate by 10%, it is **60.7992, 73.1183, 21.5000**.

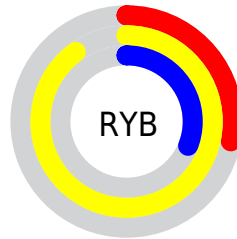
Distribution



Red (87%)

Green (90%)

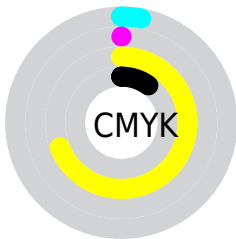
Blue (28%)



Red (28%)

Yellow (90%)

Blue (31%)

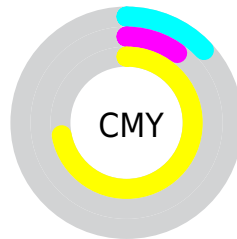


Cyan (3%)

Magenta (0%)

Yellow (69%)

Black (10%)



Cyan (13%)


Magenta (10%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5583, 72.5782, 16.8312 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 59.5583, 72.5782, 16.8312 by changing the saturation by 10% instead.


 59.5583, 72.5782,
16.8312


 59.5583, 72.5782,
16.8312


412.8286,
469.5516, 246.2087


 43.3108, 53.6311,
9.9535


 103.2987,
122.8782, 38.8220


 30.3246, 38.3068,
5.2630


 131.5222,
155.0000, 54.7722


 20.2344, 26.2209,
2.3409


 164.4685,
192.2821, 74.5836

 12.6748, 16.9890,
0.7540

 202.5030,
235.1089, 98.6749

 7.2805, 10.2266,
0.0000

 245.9908,
283.8649, 127.4645

 3.6860, 5.5495,
0.0000

295.2975,

 1.5261, 2.5731,

338.9344, 161.3710

0.0000

350.7883,
400.7018, 200.8128

■ 0.3435, 0.9132,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5583, 72.5782,
16.8312

■ 59.5583, 72.5782,
16.8312

■ 58.6025, 72.1577,
13.6360

■ 60.7992, 73.1183,
21.5000

■ 57.8932, 71.8334,
11.7339


■ 62.3482, 73.7794,
27.7865


■ 57.3800, 71.5879,
10.8511


■ 64.2320, 74.5746,
35.8228


■ 57.3387, 71.5679,
10.7919


■ 66.4728, 75.5129,
45.7262

 69.0909, 76.6024,
57.6036

 72.1051, 77.8506,
71.5541

 75.5330, 79.2646,
87.6700

 79.3893, 80.8502,
106.0291

 79.7650, 81.0439,
106.0467

Harmonies

Analogous

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



77.4120, 72.5782, 16.3478



59.5583, 72.5782, 16.8312



46.6987, 72.5782, 28.3916

Triad

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



59.5583, 72.5782, 16.8312



47.7124, 72.5782, 175.5778



108.6342, 72.5782, 104.5909

Complementary

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



59.5583, 72.5782, 16.8312



19.7629, 11.8835, 76.1196

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.



97.4235, 72.5782, 169.2885



59.5583, 72.5782, 16.8312



61.1899, 72.5782, 220.8555

Square

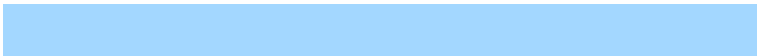
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.5583, 72.5782, 16.8312



40.7231, 72.5782, 110.8691



79.3538, 72.5782, 218.1514



107.9886, 72.5782, 53.9498

Rectangle

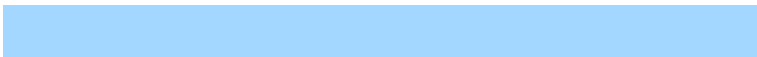
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5583, 72.5782, 16.8312



41.7476, 72.5782, 45.6126



79.3538, 72.5782, 218.1514



106.0539, 72.5782, 125.7242

Sweetspot

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



59.5600, 72.5816, 16.8327



86.6104, 96.5104, 69.5998



36.5654, 22.8646, 8.4483



18.3369, 20.5735, 13.9806



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.



59.5600, 72.5816, 16.8327



73.6293, 90.9912, 16.0017



40.6870, 62.8522, 15.9495



15.5261, 16.7783, 15.3247



32.4921, 40.5318, 6.1109



2.4232, 3.0066, 0.4526

Inverse Universe

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



19.7629, 11.8835, 76.1196



20.4484, 9.7578, 95.4134



30.7278, 17.5362, 76.6328



13.6496, 13.9216, 18.1121



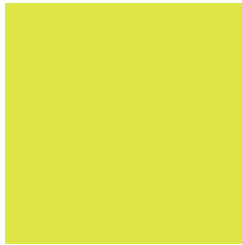
8.1987, 3.2925, 42.5866



0.6297, 0.2556, 3.1481

Previews

White Background



This preview shows how the XYZ color 59.5583, 72.5782, 16.8312 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 59.5583, 72.5782, 16.8312 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 59.5583, 72.5782, 16.8312

Background



This preview shows how black text looks on a background with the XYZ color 59.5583, 72.5782, 16.8312.



This preview shows how white text looks on a background with the XYZ color 59.5583, 72.5782,

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

59.5583, 72.5782, 16.8312

Protanopia

65.9069, 72.6287, 16.1753

Deuteranopia

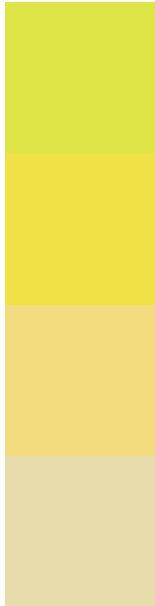
71.7120, 72.3295, 42.5291



Tritanopia

73.7910, 72.4316, 86.4354

Trichromacy



Original Color

59.5583, 72.5782, 16.8312

Protanomaly

63.6273, 72.6433, 16.4624

Deuteranomaly

66.3212, 71.7474, 30.0918

Tritanomaly

66.4147, 71.3593, 49.8085

Monochromacy



Original Color

59.5583, 72.5782, 16.8312

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.8024, 66.4251, 42.5230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5583, 72.5782, 16.8312 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(222, 230, 71)` looks like.

```
.text, #text, p{  
    color:rgb(222, 230, 71)  
}
```

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(222, 230, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 230, 71) }
```

Border

The CSS property to change the border of an element to XYZ 59.5583, 72.5782, 16.8312 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(222, 230, 71) }
```


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

```
.border{ border-color:rgb(222, 230, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 230, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 230, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 230, 71);  
box-shadow:4px 4px 4px 4px rgb(222, 230,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5583, 72.5782, 16.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 230, 71) }
```

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

```
.background{ background-color: rgb(222,  
230, 71) }
```

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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