

Converting Colors

XYZ(58.4970, 72.0328, 35.6322)

Have a look what the booklet for
XYZ(58.4970, 72.0328, 35.6322)
contains.

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Color

**XYZ(58.4864, 72.0244,
35.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE78C
RGB	205, 231, 140
RGB Percent	80%, 91%, 55%
CMY	0.1961, 0.0941, 0.4510
CMYK	0.11, 0.00, 0.39, 0.09
HSL	77°, 65%, 73%
HSV	77°, 39%, 91%
XYZ	58.4864, 72.0244, 35.6305
YIQ	212.8520, 13.7150, -33.8130

Conversions

Conversions Part 2

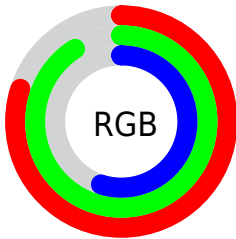
Format	Color
RYB	140, 231, 166
Decimal	13494156
CIELab	87.98, -22.91, 41.45
CIELCh	88, 47.365, 118.928
Yxy	72.0244, 0.3520, 0.4335
Android (android.graphics.Color)	4291684236 (0xFFCDE78C)
YUV	212.8520, -35.9160, -6.8862
Hunter-Lab	84.8672, -25.5039, 34.5148

Details

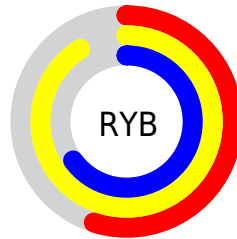
The XYZ color **58.4864, 72.0244, 35.6305** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.5306, 32.6346, 79.8210**, and the grayscale version is **63.3746, 66.6750, 72.6091**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **29.4858, 37.7541, 14.9657** is the 20% darker color. If you saturate the color by 10%, you get **55.1766, 70.4970, 27.4986**, and if you desaturate by 10%, it is **62.2342, 73.7408, 45.6522**.

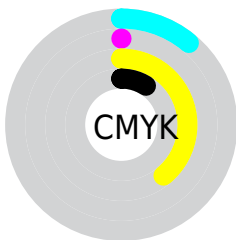
Distribution



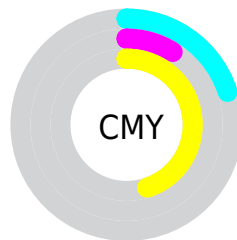
- Red (80%)
- Green (91%)
- Blue (55%)



- Red (55%)
- Yellow (91%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)





- Cyan (20%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4864, 72.0244, 35.6305 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 58.4864, 72.0244, 35.6305 by changing the saturation by 10% instead.


 58.4864, 72.0244,
35.6305


 58.4864, 72.0244,
35.6305


408.9206,
467.6265, 342.3311


 42.4446, 53.1786,
23.8615


 101.7497,
122.0912, 69.6240

 29.6422, 37.9454,
15.0197


 129.7020,
154.0810, 92.6856

 19.7139, 25.9403,
8.6864


 162.3550,
191.2210, 120.3485

 12.2943, 16.7790,
4.4432

200.0743,
233.8955, 153.0312

 7.0181, 10.0770,
1.8715

243.2252,
282.4889, 191.1522

 3.5198, 5.4501,
0.4745

292.1729,

 1.4342, 2.5137,

337.3856, 235.1302

0.0000

347.2830,
398.9700, 285.3836

■ 0.2804, 0.8835,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4864, 72.0244,
35.6305

■ 58.4864, 72.0244,
35.6305

■ 55.1766, 70.4970,
27.4986

■ 62.2342, 73.7408,
45.6522

■ 52.2760, 69.1396,
21.1331


■ 66.4362, 75.6455,
57.6675


■ 49.7602, 67.9447,
16.4031


■ 71.1141, 77.7495,
71.7784


■ 47.5997, 66.9006,
13.1576


■ 76.2865, 80.0606,
88.0783

 45.7595, 65.9929,
11.2178

 81.8896, 82.5532,
106.2261

 44.1840, 65.1995,
10.2962

 84.1470, 83.7169,
106.3317

 44.0930, 65.1535,
10.2519

 86.4865, 84.9230,
106.4412

 87.8674, 85.6349,
106.5058

Harmonies

Analogous

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



68.8640, 72.0244, 31.2467



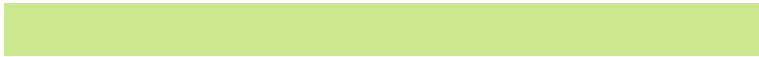
58.4864, 72.0244, 35.6305



51.4995, 72.0244, 50.5175

Triad

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



58.4864, 72.0244, 35.6305



57.8553, 72.0244, 144.6172



92.5303, 72.0244, 79.5912

Complementary

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



58.4864, 72.0244, 35.6305



39.5306, 32.6346, 79.8210

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.



88.7799, 72.0244, 115.0759



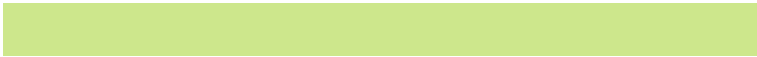
58.4864, 72.0244, 35.6305



68.0517, 72.0244, 158.4301

Square

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



58.4864, 72.0244, 35.6305



51.1643, 72.0244, 112.4941



79.5009, 72.0244, 146.3733



89.2637, 72.0244, 52.0351

Rectangle

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



58.4864, 72.0244, 35.6305



49.2902, 72.0244, 67.0807



79.5009, 72.0244, 146.3733



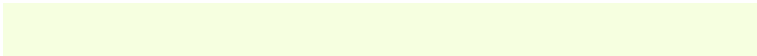
92.0419, 72.0244, 90.9752

Sweetspot

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



58.4882, 72.0276, 35.6320



87.3647, 96.5626, 84.8396



51.2881, 46.0783, 31.0028



18.5322, 20.5932, 17.6503



0.0000, 0.0000, 0.0000



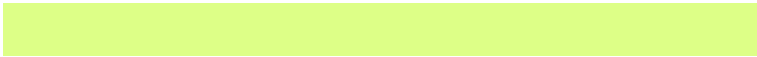
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.4882, 72.0276, 35.6320



69.8869, 88.6067, 36.3964



47.7525, 66.4932, 35.1296



15.1792, 16.5995, 15.3084



24.8458, 36.5900, 5.7531



1.9263, 2.7504, 0.4294

Inverse Universe

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



39.5306, 32.6346, 79.8210



43.1828, 33.0690, 98.7147



50.7497, 38.4183, 80.3460



13.9677, 14.0856, 18.1269



9.4519, 3.9385, 42.6452



0.7877, 0.3370, 3.1555

Previews

White Background



This preview shows how the XYZ color 58.4864, 72.0244, 35.6305 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 58.4864, 72.0244, 35.6305 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 58.4864, 72.0244, 35.6305

Background



This preview shows how black text looks on a background with the XYZ color 58.4864, 72.0244, 35.6305.



This preview shows how white text looks on a background with the XYZ color 58.4864, 72.0244,

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

58.4864, 72.0244, 35.6305

Protanopia

65.9723, 71.4892, 33.6142

Deuteranopia

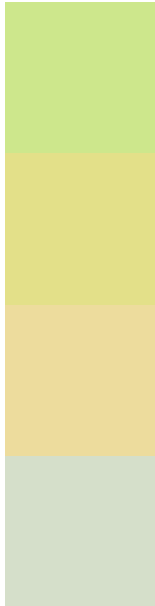
71.9172, 71.6017, 46.1065



Tritanopia

69.5310, 71.6829, 90.2923

Trichromacy



Original Color

58.4864, 72.0244, 35.6305

Protanomaly

62.8496, 71.4483, 34.1453

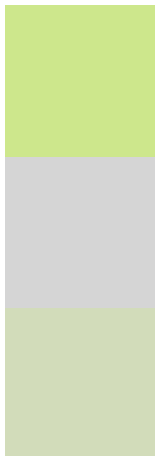
Deuteranomaly

66.6041, 71.6252, 42.2129

Tritanomaly

64.4889, 71.1858, 66.2184

Monochromacy



Original Color

58.4864, 72.0244, 35.6305

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.0345, 68.4332, 56.4464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4864, 72.0244, 35.6305 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, 231, 140)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 140)  
}
```

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, 231, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 140) }
```

Border

The CSS property to change the border of an element to XYZ 58.4864, 72.0244, 35.6305 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, 231, 140) }
```


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

```
.border{ border-color:rgb(205, 231, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 231, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 140);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4864, 72.0244, 35.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 140) }
```

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

```
.background{ background-color: rgb(205,  
231, 140) }
```

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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