

Converting Colors

XYZ(59.6576, 72.8805, 41.2947)

Have a look what the booklet for
XYZ(59.6576, 72.8805, 41.2947)
contains.

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Color

**XYZ(59.5912, 72.8837,
41.4990)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE89A
RGB	204, 232, 154
RGB Percent	80%, 91%, 60%
CMY	0.2000, 0.0902, 0.3961
CMYK	0.12, 0.00, 0.34, 0.09
HSL	82°, 63%, 76%
HSV	82°, 34%, 91%
XYZ	59.5912, 72.8837, 41.4990
YIQ	214.7360, 8.3500, -30.1940

Conversions

Conversions Part 2

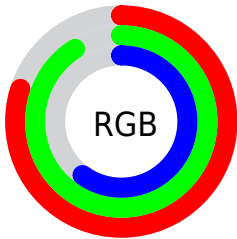
Format	Color
RYB	154, 232, 182
Decimal	13428890
CIELab	88.39, -22.02, 34.98
CIELCh	88, 41.336, 122.196
Yxy	72.8837, 0.3425, 0.4189
Android (android.graphics.Color)	4291618970 (0xFFCCE89A)
YUV	214.7360, -29.9428, -9.4155
Hunter-Lab	85.3720, -24.8046, 30.9397

Details

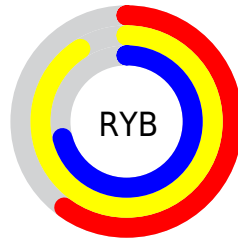
The XYZ color **59.5912, 72.8837, 41.4990** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.4154, 38.8845, 81.4598**, and the grayscale version is **64.6065, 67.9711, 74.0205**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **30.3180, 38.3995, 18.3843** is the 20% darker color. If you saturate the color by 10%, you get **55.6209, 71.0413, 32.1832**, and if you desaturate by 10%, it is **64.0608, 74.9449, 52.7905**.

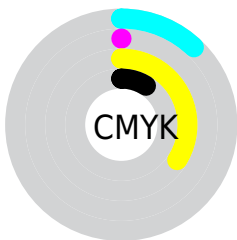
Distribution



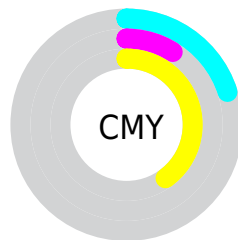
- Red (80%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)




- Cyan (20%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5912, 72.8837, 41.4990 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 59.5912, 72.8837, 41.4990 by changing the saturation by 10% instead.


 59.5912, 72.8837,
41.4990


 59.5912, 72.8837,
41.4990


412.9482,
470.6116, 368.1401

 43.3374, 53.8809,
28.3866


 103.3461,
123.3121, 78.7027

 30.3456, 38.5064,
18.3757


 131.5780,
155.5064, 103.6310

 20.2504, 26.3760,
11.0478


164.5333,
192.8668, 133.3351

 12.6865, 17.1051,
5.9844

202.5773,
235.7774, 168.2334

 7.2886, 10.3095,
2.7670

246.0755,
284.6229, 208.7445

 3.6911, 5.6046,
0.9769

295.3931,

 1.5289, 2.6062,

339.7875, 255.2870

0.0000

350.8956,
401.6556, 308.2793

■ 0.3454, 0.9298,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5912, 72.8837,
41.4990

■ 59.5912, 72.8837,
41.4990

■ 55.6209, 71.0413,
32.1832

■ 64.0608, 74.9449,
52.7905

■ 52.1209, 69.3984,
24.7245

■ 69.0459, 77.2241,
66.1577

■ 49.0672, 67.9478,
18.9991

■ 74.5687, 79.7329,
81.6995

■ 46.4313, 66.6777,
14.8661

■ 80.6481, 82.4791,
99.5071

■ 44.1800, 65.5746,
12.1623

■ 84.7909, 84.4656,
106.4423

■ 42.2738, 64.6225,
10.6898

■ 87.7731, 86.0030,
106.5818

■ 41.1997, 64.0786,
10.1970

■ 88.1482, 86.1963,
106.5994

Harmonies

Analogous

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



68.5446, 72.8837, 36.3012



59.5912, 72.8837, 41.4990



53.7215, 72.8837, 56.4891

Triad

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



59.5912, 72.8837, 41.4990



60.7449, 72.8837, 138.2124



90.1560, 72.8837, 77.2808

Complementary

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



59.5912, 72.8837, 41.4990



45.4154, 38.8845, 81.4598

Split Complementary

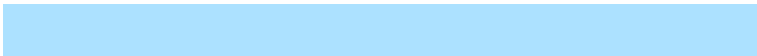
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5705, 72.8837, 107.6908



59.5912, 72.8837, 41.4990



70.0081, 72.8837, 147.4918

Square

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



59.5912, 72.8837, 41.4990



54.3415, 72.8837, 112.2012



79.9522, 72.8837, 135.2010



86.7178, 72.8837, 53.6446

Rectangle

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



59.5912, 72.8837, 41.4990



52.0284, 72.8837, 72.1633



79.9522, 72.8837, 135.2010



89.9621, 72.8837, 87.0156

Sweetspot

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



59.5930, 72.8869, 41.5006



87.9244, 96.7699, 88.5396



55.6991, 52.6612, 37.8018



18.6169, 20.6206, 18.3866



0.0000, 0.0000, 0.0000



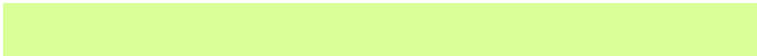
20.3446, 21.4041, 23.3091

Same Dimension

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



59.5930, 72.8869, 41.5006



70.5368, 88.7839, 43.5563



50.3547, 68.1244, 41.0682



15.0734, 16.5449, 15.3035



23.0135, 35.6454, 5.6673



1.8011, 2.6859, 0.4235

Inverse Universe

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



45.4154, 38.8845, 81.4598



50.5818, 40.9008, 99.8364



55.7299, 44.2018, 81.9425



14.0688, 14.1377, 18.1317



10.2061, 4.3273, 42.6805



0.8528, 0.3706, 3.1586

Previews

White Background



This preview shows how the XYZ color 59.5912, 72.8837, 41.4990 looks on a white background.

Color Contrast Check

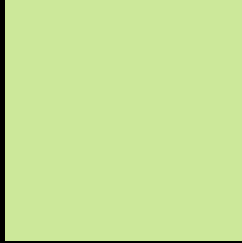
Large Text (above 18pt) WCAG AA × Fail

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 59.5912, 72.8837, 41.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

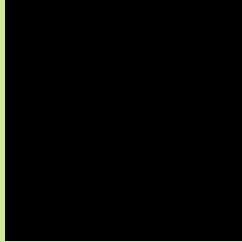
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5912, 72.8837, 41.4990

Background



This preview shows how black text looks on a background with the XYZ color 59.5912, 72.8837, 41.4990.



This preview shows how white text looks on a background with the XYZ color 59.5912, 72.8837,

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

59.5912, 72.8837, 41.4990

Protanopia

67.2967, 72.4402, 39.2896

Deuteranopia

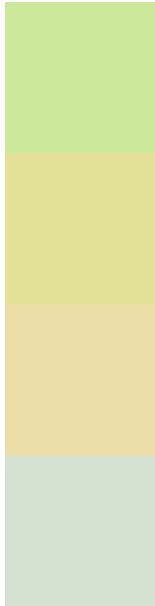
72.9265, 72.4091, 50.1771



Tritanopia

69.7553, 72.5438, 91.9872

Trichromacy



Original Color

59.5912, 72.8837, 41.4990

Protanomaly

64.1897, 72.4157, 39.8726

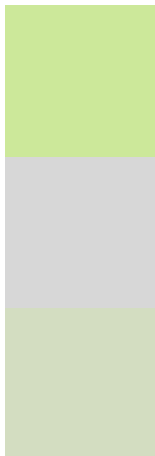
Deuteranomaly

67.4236, 72.3358, 46.9678

Tritanomaly

65.4618, 72.4015, 70.1992

Monochromacy



Original Color

59.5912, 72.8837, 41.4990

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

62.3461, 69.4120, 60.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5912, 72.8837, 41.4990 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(204, 232, 154)` looks like.

```
.text, #text, p{  
    color:rgb(204, 232, 154)  
}
```

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(204, 232, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 232, 154) }
```

Border

The CSS property to change the border of an element to XYZ 59.5912, 72.8837, 41.4990 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(204, 232, 154) }
```


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

```
.border{ border-color:rgb(204, 232, 154) }
```

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

Here you see how a box with a 4 pixel rgb(204, 232, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 232, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 232, 154);  
box-shadow:4px 4px 4px 4px rgb(204, 232,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5912, 72.8837, 41.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 232, 154) }
```

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

```
.background{ background-color: rgb(204,  
232, 154) }
```

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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