

Converting Colors

XYZ(58.9828, 72.1912, 39.6797)

Have a look what the booklet for
XYZ(58.9828, 72.1912, 39.6797)
contains.

XYZ(58.9828, 72.1912, 39.6797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.9828, 72.1912,
39.6797)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE796
RGB	204, 231, 150
RGB Percent	80%, 91%, 59%
CMY	0.2000, 0.0941, 0.4118
CMYK	0.12, 0.00, 0.35, 0.09
HSL	80°, 63%, 75%
HSV	80°, 35%, 91%
XYZ	58.9828, 72.1912, 39.6797
YIQ	213.6930, 9.9090, -30.9150

Conversions

Conversions Part 2

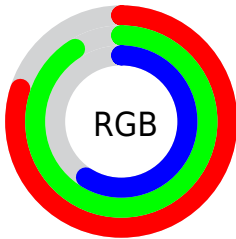
Format	Color
RYB	150, 231, 177
Decimal	13428630
CIELab	88.06, -22.06, 36.56
CIELCh	88, 42.697, 121.104
Yxy	72.1912, 0.3452, 0.4225
Android (android.graphics.Color)	4291618710 (0xFFCCE796)
YUV	213.6930, -31.4006, -8.5008
Hunter-Lab	84.9654, -24.7751, 31.7868

Details

The XYZ color **58.9828, 72.1912, 39.6797** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.4644, 36.9312, 80.4429**, and the grayscale version is **63.9114, 67.2398, 73.2241**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **29.9290, 37.9313, 17.2993** is the 20% darker color. If you saturate the color by 10%, you get **55.2447, 70.4605, 30.7337**, and if you desaturate by 10%, it is **63.1957, 74.1288, 50.5649**.

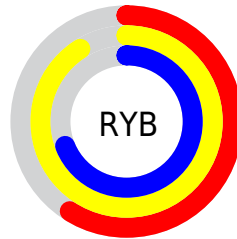
Distribution



Red (80%)

Green (91%)

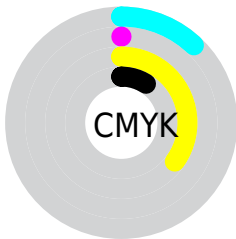
Blue (59%)



Red (59%)

Yellow (91%)

Blue (69%)

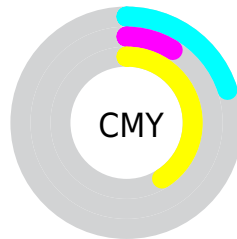


Cyan (12%)

Magenta (0%)

Yellow (35%)

Black (9%)



Cyan (20%)

Magenta (9%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9828, 72.1912, 39.6797 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 58.9828, 72.1912, 39.6797 by changing the saturation by 10% instead.

■ 58.9828, 72.1912,
39.6797

■ 58.9828, 72.1912,
39.6797

410.7332,
468.2068, 360.2836

■ 42.8456, 53.3149,
26.9770

■ 102.4674,
122.3283, 75.9073

■ 29.9580, 38.0542,
17.3237

■ 130.5456,
154.3579, 100.2692

■ 19.9546, 26.0248,
10.3011

163.3347,
191.5407, 129.3547

■ 12.4701, 16.8422,
5.4909

201.2003,
234.2612, 163.5822

■ 7.1392, 10.1220,
2.4743

244.5075,
282.9036, 203.3703

■ 3.5964, 5.4799,
0.8265

293.6219,

■ 1.4764, 2.5315,

337.8524, 249.1376

0.0000

348.9087,
399.4920, 301.3025

■ 0.3097, 0.8924,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9828, 72.1912,
39.6797

■ 58.9828, 72.1912,
39.6797

■ 55.2447, 70.4605,
30.7337

■ 63.1957, 74.1288,
50.5649

■ 51.9527, 68.9178,
23.6081

■ 67.8993, 76.2723,
63.4894

■ 49.0832, 67.5557,
18.1785

■ 73.1152, 78.6332,
78.5520

■ 46.6078, 66.3628,
14.3027

■ 78.8621, 81.2191,
95.8437

■ 44.4934, 65.3257,
11.8155

■ 83.4197, 83.3420,
106.2977

■ 42.7000, 64.4281,
10.5142

■ 86.1265, 84.7374,
106.4243

■ 41.9024, 64.0241,
10.1494

■ 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.



68.2389, 72.1912, 34.7875



58.9828, 72.1912, 39.6797



52.8504, 72.1912, 54.4851

Triad

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



58.9828, 72.1912, 39.6797



59.5757, 72.1912, 138.6821



90.1304, 72.1912, 77.5281

Complementary

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



58.9828, 72.1912, 39.6797



43.4644, 36.9312, 80.4429

Split Complementary

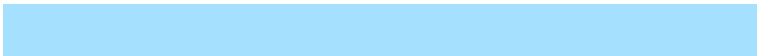
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2401, 72.1912, 108.9598



58.9828, 72.1912, 39.6797



68.9936, 72.1912, 149.1201

Square

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



58.9828, 72.1912, 39.6797



53.1682, 72.1912, 111.3036



79.2439, 72.1912, 137.1101



86.7979, 72.1912, 53.0321

Rectangle

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



58.9828, 72.1912, 39.6797



51.0201, 72.1912, 70.2408



79.2439, 72.1912, 137.1101



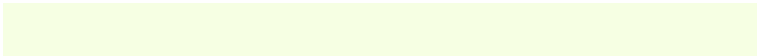
89.8523, 72.1912, 87.6059

Sweetspot

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



58.9846, 72.1944, 39.6812



87.5011, 96.5926, 86.6693



54.1848, 50.6375, 35.7733



18.5416, 20.5900, 18.0143



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.



58.9846, 72.1944, 39.6812



70.3996, 88.7608, 41.3976



49.2901, 67.1967, 39.2275



15.1103, 16.5639, 15.3052



23.6266, 35.9615, 5.6960



1.8434, 2.7077, 0.4255

Inverse Universe

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



43.4644, 36.9312, 80.4429



48.2969, 38.5101, 99.4954



54.0969, 42.4125, 80.9405



14.0333, 14.1194, 18.1300



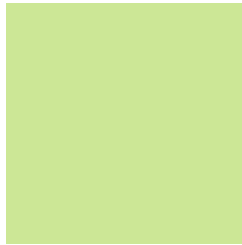
9.9201, 4.1799, 42.6671



0.8288, 0.3582, 3.1574

Previews

White Background



This preview shows how the XYZ color 58.9828, 72.1912, 39.6797 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 58.9828, 72.1912, 39.6797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

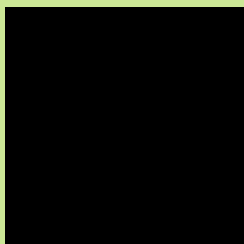
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

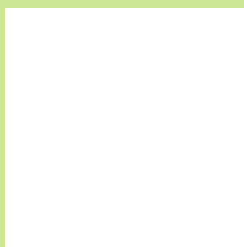
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.9828, 72.1912, 39.6797

Background



This preview shows how black text looks on a background with the XYZ color 58.9828, 72.1912, 39.6797.



This preview shows how white text looks on a background with the XYZ color 58.9828, 72.1912,

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

58.9828, 72.1912, 39.6797

Protanopia

66.3781, 71.6124, 37.5182

Deuteranopia

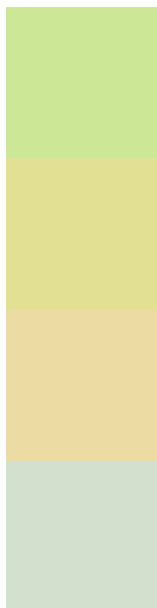
72.2899, 71.7508, 48.0694



Tritanopia

69.3447, 71.9584, 91.1234

Trichromacy



Original Color

58.9828, 72.1912, 39.6797

Protanomaly

63.2861, 71.5866, 38.0858

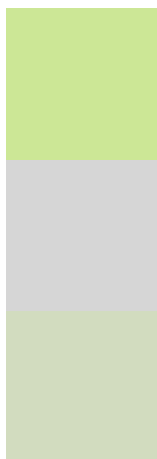
Deuteranomaly

66.7961, 71.6636, 44.9623

Tritanomaly

64.9476, 71.7646, 68.8214

Monochromacy



Original Color

58.9828, 72.1912, 39.6797

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.5755, 68.6496, 59.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9828, 72.1912, 39.6797 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, 231, 150)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 150)  
}
```

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, 231, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 150) }
```

Border

The CSS property to change the border of an element to XYZ 58.9828, 72.1912, 39.6797 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, 231, 150) }
```


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

```
.border{ border-color:rgb(204, 231, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 150);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9828, 72.1912, 39.6797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 150) }
```

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

```
.background{ background-color: rgb(204,  
231, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor