

Converting Colors

XYZ(28.9911, 57.7963, 9.9545)

Have a look what the booklet for
XYZ(28.9911, 57.7963, 9.9545)
contains.

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Color

**XYZ(28.9796, 57.7697,
9.9399)**

Conversions

Conversions Part 1

Format	Color
Hex	05E80B
RGB	5, 232, 11
RGB Percent	2%, 91%, 4%
CMY	0.9804, 0.0902, 0.9567
CMYK	0.98, 0.00, 0.95, 0.09
HSL	122°, 96%, 46%
HSV	122°, 98%, 91%
XYZ	28.9796, 57.7697, 9.9399
YIQ	138.9330, -64.3510, -116.8550

Conversions

Conversions Part 2

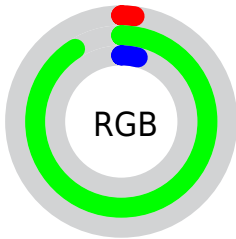
Format	Color
RYB	5, 226, 232
Decimal	387083
CIELab	80.61, -79.90, 76.52
CIELCh	81, 110.626, 136.238
Yxy	57.7697, 0.2997, 0.5975
Android (android.graphics.Color)	4278577163 (0xFF05E80B)
YUV	138.9330, -63.0710, -117.4592
Hunter-Lab	76.0064, -64.9530, 45.4507

Details

The XYZ color **28.9796, 57.7697, 9.9399** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.0579, 22.7544, 73.8427**, and the grayscale version is **24.7699, 26.0598, 28.3792**.

A 20% lighter version of the original color is **44.5449, 75.8356, 21.9628**, and **15.1361, 30.2721, 5.0454** is the 20% darker color. If you saturate the color by 10%, you get **28.8916, 57.7291, 9.7972**, and if you desaturate by 10%, it is **29.6253, 58.0786, 11.1332**.

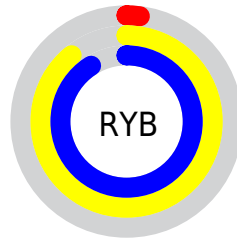
Distribution



Red (2%)

Green (91%)

Blue (4%)



Red (2%)

Yellow (89%)

Blue (91%)

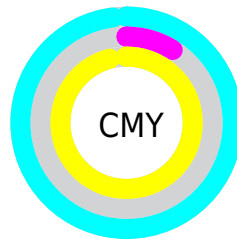


Cyan (98%)

Magenta (0%)

Yellow (95%)

Black (9%)



Cyan (98%)


Magenta (9%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9796, 57.7697, 9.9399 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 28.9796, 57.7697, 9.9399 by changing the saturation by 10% instead.


 28.9796, 57.7697,
9.9399


 28.9796, 57.7697,
9.9399


289.1146,
416.3272, 200.7118

 19.2096, 41.6235,
5.2540


 57.4425, 101.5874,
26.2884

 11.9267, 28.8066,
2.3357


 76.8660, 130.0277,
38.7882

 6.7656, 18.9346,
0.7511


 100.2381,
163.3349, 54.7297

 3.3610, 11.6230,
0.0000

 127.9242,
201.8933, 74.5314

 1.3474, 6.4875,
0.0000

 160.2895,
246.0874, 98.6120

 0.2183, 3.1437,
0.0000

 197.6994,

 0.0000, 1.2072,

296.3014, 127.3899

0.0000

240.5194,
352.9199, 161.2836

■ 0.0000, 0.0676,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.9796, 57.7697,
9.9399

■ 28.9796, 57.7697,
9.9399

■ 28.8916, 57.7291,
9.7972

■ 29.6253, 58.0786,
11.1332

■ 30.9618, 58.7173,
13.4685

■ 33.1315, 59.7567,
17.1435

■ 36.2400, 61.2479,
22.3180

■ 40.3777, 63.2345,
29.1293

■ 45.6242, 65.7549,
37.6994

■ 52.0512, 68.8437,
48.1385

■ 59.7246, 72.5328,
60.5480

■ 68.7053, 76.8514,
75.0218

Harmonies

Analogous

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



43.5580, 57.7697, 2.9926



28.9796, 57.7697, 9.9399



22.4283, 57.7697, 37.5503

Triad

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



28.9796, 57.7697, 9.9399



45.1425, 57.7697, 280.0396



108.5503, 57.7697, 33.9615

Complementary

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



28.9796, 57.7697, 9.9399



47.0579, 22.7544, 73.8427

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.



109.3233, 57.7697, 97.6727



28.9796, 57.7697, 9.9399



68.0768, 57.7697, 276.2625

Square

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



28.9796, 57.7697, 9.9399



29.8619, 57.7697, 203.7724



92.9647, 57.7697, 195.5008



91.0778, 57.7697, 8.8618

Rectangle

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



28.9796, 57.7697, 9.9399



21.8838, 57.7697, 77.5264



92.9647, 57.7697, 195.5008



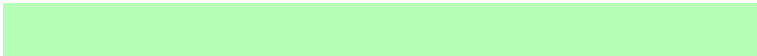
110.9089, 57.7697, 50.2420

Sweetspot

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



28.9809, 57.7721, 9.9412



63.3766, 84.7693, 57.8299



60.9502, 74.2567, 11.2641



12.8130, 17.7826, 11.1571



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.



28.9809, 57.7721, 9.9412



35.7971, 71.5349, 12.1155



32.4508, 59.1601, 28.2135



14.2048, 16.0953, 15.3432



16.0461, 32.0505, 5.4769



1.1913, 2.3706, 0.4337

Inverse Universe

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



47.0579, 22.7544, 73.8427



58.2179, 28.0512, 91.3345



36.4126, 18.4963, 17.7855



14.9777, 14.6083, 18.0830



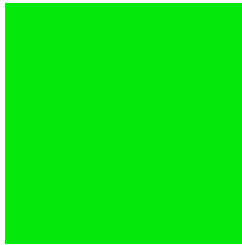
26.0913, 12.5707, 40.9711



1.9333, 0.9310, 3.0554

Previews

White Background



This preview shows how the XYZ color 28.9796, 57.7697, 9.9399 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 28.9796, 57.7697, 9.9399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

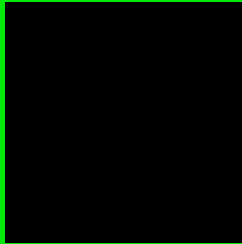
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

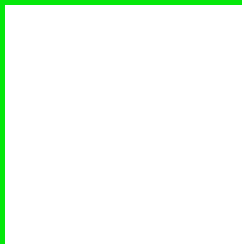
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9796, 57.7697, 9.9399

Background



This preview shows how black text looks on a background with the XYZ color 28.9796, 57.7697, 9.9399.



This preview shows how white text looks on a background with the XYZ color 28.9796, 57.7697,

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

28.9796, 57.7697, 9.9399

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

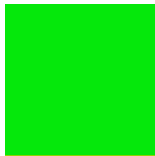
57.6477, 56.3452, 10.9693



Tritanopia

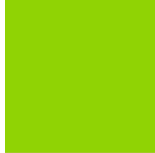
44.1936, 57.5363, 85.8672

Trichromacy



Original Color

28.9796, 57.7697, 9.9399



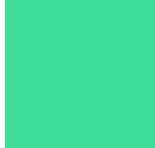
Protanomaly

34.8178, 52.5266, 8.4184



Deuteranomaly

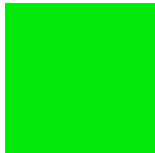
36.4085, 50.7867, 9.5529



Tritanomaly

33.9031, 55.5995, 38.6507

Monochromacy



Original Color

28.9796, 57.7697, 9.9399



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.0918, 32.8335, 15.3511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9796, 57.7697, 9.9399 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(5, 232, 11)` looks like.

```
.text, #text, p{  
    color:rgb(5, 232, 11)  
}
```

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(5, 232, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 232, 11) }
```

Border

The CSS property to change the border of an element to XYZ 28.9796, 57.7697, 9.9399 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(5, 232, 11) }
```


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

```
.border{ border-color:rgb(5, 232, 11) }
```

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

Here you see how a box with a 4 pixel rgb(5, 232, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 232, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 232, 11);  
box-shadow:4px 4px 4px 4px rgb(5, 232, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.9796, 57.7697, 9.9399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 232, 11) }
```

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

```
.background{ background-color: rgb(5, 232,  
11) }
```

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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