

Converting Colors

XYZ(35.5473, 59.6410, 9.6383)

Have a look what the booklet for
XYZ(35.5473, 59.6410, 9.6383)
contains.

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Color

**XYZ(35.4891, 59.4799,
9.6103)**

Conversions

Conversions Part 1

Format	Color
Hex	78E400
RGB	120, 228, 0
RGB Percent	47%, 89%, 0%
CMY	0.5294, 0.1059, 0.9999
CMYK	0.47, 0.00, 1.00, 0.11
HSL	88°, 100%, 45%
HSV	88°, 100%, 89%
XYZ	35.4891, 59.4799, 9.6103
YIQ	169.7160, 8.8200, -93.8040

Conversions

Conversions Part 2

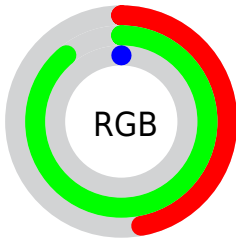
Format	Color
RYB	0, 228, 108
Decimal	7922688
CIELab	81.55, -60.45, 79.15
CIELCh	82, 99.594, 127.371
Yxy	59.4799, 0.3394, 0.5688
Android (android.graphics.Color)	4286112768 (0xFF78E400)
YUV	169.7160, -83.6700, -43.6009
Hunter-Lab	77.1232, -52.8269, 46.5981

Details

The XYZ color **35.4891, 59.4799, 9.6103** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **20.1933, 8.7928, 74.0351**, and the grayscale version is **38.4706, 40.4740, 44.0762**.

A 20% lighter version of the original color is **56.5775, 82.0483, 22.0875**, and **16.2207, 30.2619, 4.9862** is the 20% darker color. If you saturate the color by 10%, you get **35.4883, 59.4814, 9.6106**, and if you desaturate by 10%, it is **37.2270, 60.3600, 10.4903**.

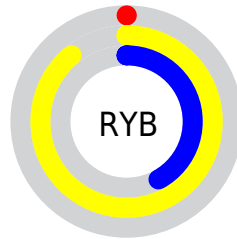
Distribution



Red (47%)

Green (89%)

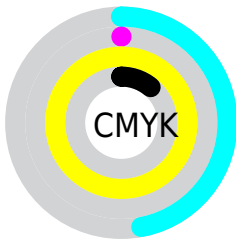
Blue (0%)



Red (0%)

Yellow (89%)

Blue (42%)

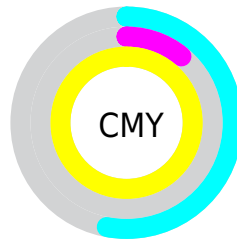


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (53%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4891, 59.4799, 9.6103 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 35.4891, 59.4799, 9.6103 by changing the saturation by 10% instead.


 35.4891, 59.4799,
9.6103


 35.4891, 59.4799,
9.6103


318.1923,
422.6780, 198.2503

 24.2082, 42.9996,
5.0391


 67.5718, 104.0748,
25.6561

 15.6137, 29.8848,
2.2111


 89.1043, 132.9582,
37.9679

 9.3403, 19.7511,
0.6808

 114.7847,
166.7447, 53.6970

 5.0227, 12.2143,
0.0000

 144.9783,
205.8187, 73.2618

 2.2955, 6.8898,
0.0000

 180.0505,
250.5647, 97.0811

 0.7923, 3.3933,
0.0000

 220.3667,

 0.0000, 1.3403,

301.3670, 125.5732

0.0000

266.2921,
358.6099, 159.1568

■ 0.0000, 0.1721,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4891, 59.4799,
9.6103

■ 35.4891, 59.4799,
9.6103

■ 35.4883, 59.4814,
9.6106

■ 37.2270, 60.3600,
10.4903

■ 39.3180, 61.3995,
12.3259

■ 41.8262, 62.6266,
15.4219

■ 44.7898, 64.0572,
19.9538

■ 48.2414, 65.7048,
26.0691

■ 52.2102, 67.5816,
33.8971

■ 56.7223, 69.6986,
43.5536

■ 61.8022, 72.0661,
55.1445

■ 67.4724, 74.6935,
68.7675

Harmonies

Analogous

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



51.5356, 59.4799, 4.5546



35.4891, 59.4799, 9.6103



26.9714, 59.4799, 29.8171

Triad

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



35.4891, 59.4799, 9.6103



42.4434, 59.4799, 239.5591



106.4625, 59.4799, 51.0977

Complementary

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



35.4891, 59.4799, 9.6103



20.1933, 8.7928, 74.0351

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.



102.3078, 59.4799, 119.8801



35.4891, 59.4799, 9.6103



61.8453, 59.4799, 258.9714

Square

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



35.4891, 59.4799, 9.6103



30.2417, 59.4799, 162.6943



84.5889, 59.4799, 205.9654



94.8443, 59.4799, 17.0251

Rectangle

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



35.4891, 59.4799, 9.6103



25.1515, 59.4799, 59.6277



84.5889, 59.4799, 205.9654



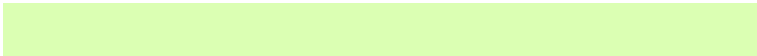
106.9048, 59.4799, 70.1861

Sweetspot

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



35.4905, 59.4825, 9.6116



72.9866, 89.7769, 55.8650



37.1938, 26.8894, 3.2307



15.0766, 18.9605, 10.7682



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.



35.4905, 59.4825, 9.6116



45.6219, 76.6040, 12.3815



27.8404, 55.5387, 9.2536



14.9096, 16.4605, 15.2958



20.6293, 34.4163, 5.5557



1.6316, 2.5985, 0.4156

Inverse Universe

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



20.1933, 8.7928, 74.0351



25.9085, 11.2712, 95.4178



43.6427, 20.8814, 75.1325



14.2290, 14.2203, 18.1392



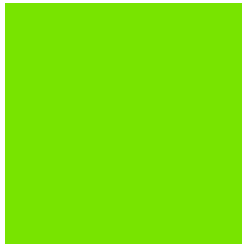
11.7933, 5.1455, 42.7548



0.9781, 0.4352, 3.1644

Previews

White Background



This preview shows how the XYZ color 35.4891, 59.4799, 9.6103 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 35.4891, 59.4799, 9.6103 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 35.4891, 59.4799, 9.6103

Background



This preview shows how black text looks on a background with the XYZ color 35.4891, 59.4799, 9.6103.



This preview shows how white text looks on a background with the XYZ color 35.4891, 59.4799, 9.6103.

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

35.4891, 59.4799, 9.6103

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.6320, 58.3415, 10.7029



Tritanopia

50.0808, 59.1337, 82.9031

Trichromacy



Original Color

35.4891, 59.4799, 9.6103



Protanomaly

44.0333, 57.2799, 8.7353



Deuteranomaly

46.9915, 56.2536, 9.5437



Tritanomaly

40.7409, 57.6214, 36.1689

Monochromacy



Original Color

35.4891, 59.4799, 9.6103



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.2865, 45.0197, 21.0699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4891, 59.4799, 9.6103 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(120, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 0)  
}
```

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(120, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4891, 59.4799, 9.6103 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(120, 228, 0) }
```


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

```
.border{ border-color:rgb(120, 228, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 228, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 228, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 228, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 228,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4891, 59.4799, 9.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 0) }
```

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

```
.background{ background-color: rgb(120,  
228, 0) }
```

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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