

Converting Colors

XYZ(39.6296, 58.0340, 9.1130)

Have a look what the booklet for
XYZ(39.6296, 58.0340, 9.1130)
contains.

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Color

**XYZ(39.6296, 58.0340,
9.1130)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDB00
RGB	159, 219, 0
RGB Percent	62%, 86%, 0%
CMY	0.3765, 0.1412, 0.9999
CMYK	0.27, 0.00, 1.00, 0.14
HSL	76°, 100%, 43%
HSV	76°, 100%, 86%
XYZ	39.6296, 58.0340, 9.1130
YIQ	176.0940, 34.5390, -80.8290

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 60
Decimal	10476288
CIELab	80.76, -43.52, 79.34
CIELCh	81, 90.494, 118.749
Yxy	58.0340, 0.3711, 0.5435
Android (android.graphics.Color)	4288666368 (0xFF9FDB00)
YUV	176.0940, -86.8143, -14.9914
Hunter-Lab	76.1800, -40.4577, 46.2335

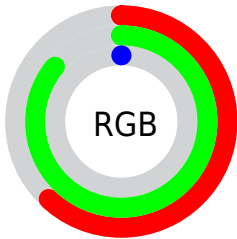
Details

The XYZ color **39.6296, 58.0340, 9.1130** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.6527, 6.0771, 67.4220**, and the grayscale version is **41.7453, 43.9193, 47.8281**.

A 20% lighter version of the original color is **66.3532, 87.0973, 22.1184**, and **18.6423, 29.3176, 4.6763** is the 20% darker color. If you saturate the color by 10%, you get **39.6292, 58.0357, 9.1133**, and if you desaturate by 10%, it is **40.9942, 58.7227, 9.9295**.

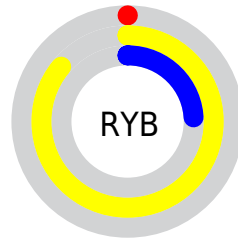
Distribution



Red (62%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (24%)

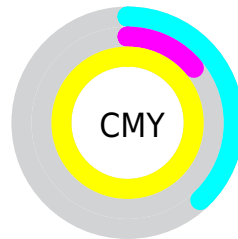


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (38%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6296, 58.0340, 9.1130 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 39.6296, 58.0340, 9.1130 by changing the saturation by 10% instead.


 39.6296, 58.0340,
9.1130


 39.6296, 58.0340,
9.1130


335.7212,
417.3126, 194.4676


 27.4328, 41.8360,
4.7171


 73.8871, 101.9724,
24.6944


 18.0368, 28.9729,
2.0265


 96.6785, 130.4815,
36.7170


 11.0763, 19.0603,
0.5715


 123.7321,
163.8632, 52.1190

 6.1858, 11.7139,
0.0000

 155.4133,
202.5017, 71.3188

 3.0001, 6.5492,
0.0000

 192.0875,
246.7815, 94.7350

 1.1538, 3.1818,
0.0000

 234.1199,

 0.0694, 1.2274,

297.0870, 122.7862

0.0000

281.8760,
353.8026, 155.8909

■ 0.0000, 0.0839,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6296, 58.0340,
9.1130

■ 39.6296, 58.0340,
9.1130

■ 39.6292, 58.0357,
9.1133

■ 40.9942, 58.7227,
9.9295

■ 42.5793, 59.5044,
11.6075

■ 44.4405, 60.4033,
14.4294

■ 46.6086, 61.4320,
18.5536

■ 49.1096, 62.6009,
24.1132

■ 51.9665, 63.9192,
31.2252

■ 55.1999, 65.3953,
39.9943

■ 58.8286, 67.0368,
50.5162

■ 62.8701, 68.8509,
62.8794

Harmonies

Analogous

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



55.9474, 58.0340, 6.0579



39.6296, 58.0340, 9.1130



29.8057, 58.0340, 23.4460

Triad

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



39.6296, 58.0340, 9.1130



38.5502, 58.0340, 198.1693



99.4069, 58.0340, 65.4613

Complementary

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



39.6296, 58.0340, 9.1130



14.6527, 6.0771, 67.4220

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.



91.9014, 58.0340, 132.9587



39.6296, 58.0340, 9.1130



54.3792, 58.0340, 231.8292

Square

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



39.6296, 58.0340, 9.1130



29.2885, 58.0340, 126.6740



74.2941, 58.0340, 203.0194



93.0077, 58.0340, 25.5122

Rectangle

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



39.6296, 58.0340, 9.1130



26.9066, 58.0340, 45.1742



74.2941, 58.0340, 203.0194



98.4011, 58.0340, 85.4511

Sweetspot

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



39.6309, 58.0366, 9.1142



77.7900, 92.2531, 56.0898



30.7495, 18.1298, 1.8795



16.2219, 19.5509, 10.8218



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.



39.6309, 58.0366, 9.1142



55.7972, 81.8496, 12.8577



26.7044, 51.3727, 8.5093



13.7962, 15.0752, 13.9082



23.6074, 34.4675, 5.4087



1.6107, 2.2749, 0.3542

Inverse Universe

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



14.6527, 6.0771, 67.4220



20.5669, 8.5175, 95.1678



28.9166, 13.4304, 68.0896



12.6719, 12.7890, 16.4528



8.7778, 3.6493, 39.9801



0.6510, 0.2789, 2.5940

Previews

White Background



This preview shows how the XYZ color 39.6296, 58.0340, 9.1130 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 39.6296, 58.0340, 9.1130 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 39.6296, 58.0340, 9.1130

Background



This preview shows how black text looks on a background with the XYZ color 39.6296, 58.0340, 9.1130.



This preview shows how white text looks on a background with the XYZ color 39.6296, 58.0340,

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

39.6296, 58.0340, 9.1130

Deuteranopia

58.7427, 57.2507, 10.0522

Tritanopia

53.1015, 57.9367, 76.0943

Trichromacy



Original Color

39.6296, 58.0340, 9.1130



Deuteranomaly

49.7542, 56.2886, 9.2197



Tritanomaly

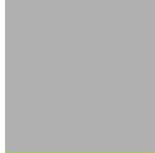
44.5473, 56.2650, 33.3233

Monochromacy



Original Color

39.6296, 58.0340, 9.1130



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3518, 47.4152, 22.4599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6296, 58.0340, 9.1130 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(159, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 219, 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(159, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.6296, 58.0340, 9.1130 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(159, 219, 0) }
```

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

```
.border{ border-color:rgb(159, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 219,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 39.6296, 58.0340, 9.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 219, 0) }
```

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

```
.background{ background-color: rgb(159,  
219, 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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