

Converting Colors

XYZ(31.3917, 56.9496, 9.3379)

Have a look what the booklet for
XYZ(31.3917, 56.9496, 9.3379)
contains.

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Color

**XYZ(31.3996, 56.9644,
9.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	57E300
RGB	87, 227, 0
RGB Percent	34%, 89%, 0%
CMY	0.6588, 0.1098, 0.9999
CMYK	0.62, 0.00, 1.00, 0.11
HSL	97°, 100%, 45%
HSV	97°, 100%, 89%
XYZ	31.3996, 56.9644, 9.3403
YIQ	159.2620, -10.5730, -100.2770

Conversions

Conversions Part 2

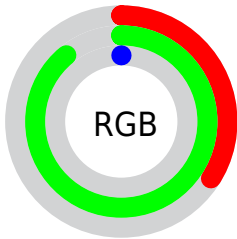
Format	Color
RYB	0, 227, 140
Decimal	5759744
CIELab	80.16, -68.83, 77.59
CIElCh	80, 103.720, 131.579
Yxy	56.9644, 0.3214, 0.5830
Android (android.graphics.Color)	4283949824 (0xFF57E300)
YUV	159.2620, -78.5162, -63.3738
Hunter-Lab	75.4748, -57.8199, 45.4950

Details

The XYZ color **31.3996, 56.9644, 9.3403** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **24.6870, 11.1254, 73.5224**, and the grayscale version is **33.4297, 35.1707, 38.3009**.

A 20% lighter version of the original color is **50.4292, 78.8835, 21.5850**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **31.3990, 56.9658, 9.3406**, and if you desaturate by 10%, it is **32.9893, 57.7681, 10.2082**.

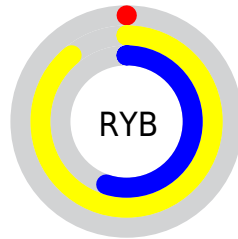
Distribution



Red (34%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (55%)

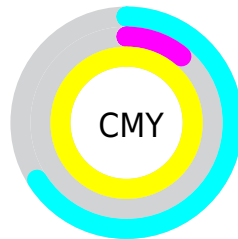


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (66%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3996, 56.9644, 9.3403 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 31.3996, 56.9644, 9.3403 by changing the saturation by 10% instead.


 31.3996, 56.9644,
9.3403


 31.3996, 56.9644,
9.3403


300.1692,
413.3159, 196.2072


 21.0566, 40.9767,
4.8640


 61.2402, 100.4132,
25.1352

 13.2781, 28.3008,
2.1103


 81.4686, 128.6431,
37.2908

 7.6986, 18.5526,
0.6219


 105.7228,
161.7225, 52.8433

 3.9529, 11.3474,
0.0000

 134.3683,
200.0358, 72.2111

 1.6755, 6.3010,
0.0000

 167.7703,
243.9674, 95.8129

 0.4409, 3.0290,
0.0000

 206.2942,

 0.0000, 1.1469,

293.9017, 124.0671

0.0000

250.3054,
350.2231, 157.3924

■ 0.0000, 0.0177,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3996, 56.9644,
9.3403

■ 31.3996, 56.9644,
9.3403

■ 31.3990, 56.9658,
9.3406

■ 32.9893, 57.7681,
10.2082

■ 35.0231, 58.7785,
12.0258

■ 37.5720, 60.0271,
15.0961

■ 40.6806, 61.5334,
19.5926

■ 44.3878, 63.3140,
25.6617

■ 48.7283, 65.3842,
33.4315

■ 53.7339, 67.7577,
43.0170

■ 59.4340, 70.4474,
54.5229

■ 65.8560, 73.4654,
68.0463

Harmonies

Analogous

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



46.3872, 56.9644, 3.5986



31.3996, 56.9644, 9.3403



24.0104, 56.9644, 32.0330

Triad

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



31.3996, 56.9644, 9.3403



42.2879, 56.9644, 250.9918



104.5214, 56.9644, 41.4699

Complementary

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



31.3996, 56.9644, 9.3403



24.6870, 11.1254, 73.5224

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.



102.5871, 56.9644, 106.5593



31.3996, 56.9644, 9.3403



62.7184, 56.9644, 260.2329

Square

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



31.3996, 56.9644, 9.3403



29.0743, 56.9644, 175.7939



85.8461, 56.9644, 196.2091



90.5946, 56.9644, 12.4056

Rectangle

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



31.3996, 56.9644, 9.3403



22.8282, 56.9644, 65.2885



85.8461, 56.9644, 196.2091



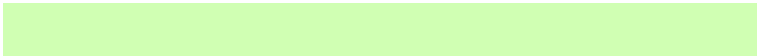
105.7851, 56.9644, 58.8712

Sweetspot

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



31.4009, 56.9668, 9.3416



69.8060, 88.1372, 55.7162



41.0578, 35.0871, 4.6094



14.3280, 18.5746, 10.7332



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.



31.4009, 56.9668, 9.3416



40.7656, 74.1005, 12.1543



27.6628, 55.0176, 10.1689



14.7088, 16.3569, 15.2864



18.4317, 33.2834, 5.4529



1.4631, 2.5116, 0.4077

Inverse Universe

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



24.6870, 11.1254, 73.5224



32.0115, 14.4174, 95.7034



42.1669, 20.5269, 56.7048



14.4322, 14.3250, 18.1487



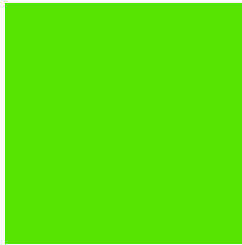
14.5295, 6.5561, 42.8828



1.1765, 0.5375, 3.1737

Previews

White Background



This preview shows how the XYZ color 31.3996, 56.9644, 9.3403 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 31.3996, 56.9644, 9.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

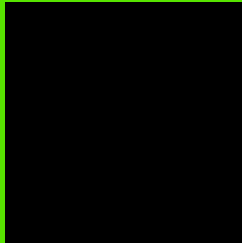
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3996, 56.9644, 9.3403

Background



This preview shows how black text looks on a background with the XYZ color 31.3996, 56.9644, 9.3403.



This preview shows how white text looks on a background with the XYZ color 31.3996, 56.9644,

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

31.3996, 56.9644, 9.3403

Protanopia

50.3183, 55.9178, 8.1412

Deuteranopia

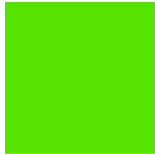
57.0152, 55.7105, 10.5445



Tritanopia

45.7553, 56.5499, 81.9025

Trichromacy



Original Color

31.3996, 56.9644, 9.3403



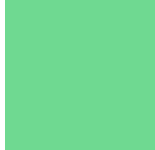
Protanomaly

40.0340, 54.4852, 8.4067



Deuteranomaly

42.3541, 53.1588, 9.3247



Tritanomaly

36.4792, 55.0495, 35.4910

Monochromacy



Original Color

31.3996, 56.9644, 9.3403



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.1623, 40.2071, 18.5357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3996, 56.9644, 9.3403 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(87, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 227, 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(87, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.3996, 56.9644, 9.3403 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(87, 227, 0) }
```


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

```
.border{ border-color:rgb(87, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 227, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3996, 56.9644, 9.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 227, 0) }
```

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

```
.background{ background-color: rgb(87, 227,  
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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