

Converting Colors

XYZ(32.8594, 56.6196, 9.1968)

Have a look what the booklet for
XYZ(32.8594, 56.6196, 9.1968)
contains.

XYZ(32.8400, 56.4995, 9.1746)	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(32.8400, 56.4995,
9.1746)**

Conversions

Conversions Part 1

Format	Color
Hex	6CE000
RGB	108, 224, 0
RGB Percent	42%, 88%, 0%
CMY	0.5765, 0.1216, 0.9999
CMYK	0.52, 0.00, 1.00, 0.12
HSL	91°, 100%, 44%
HSV	91°, 100%, 88%
XYZ	32.8400, 56.4995, 9.1746
YIQ	163.7800, 2.7680, -94.2560

Conversions

Conversions Part 2

Format	Color
RYB	0, 224, 116
Decimal	7135232
CIELab	79.90, -62.50, 77.66
CIELCh	80, 99.684, 128.826
Yxy	56.4995, 0.3334, 0.5735
Android (android.graphics.Color)	4285325312 (0xFF6CE000)
YUV	163.7800, -80.7435, -48.9191
Hunter-Lab	75.1661, -53.5543, 45.3795

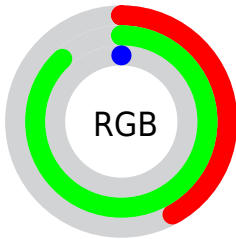
Details

The XYZ color **32.8400, 56.4995, 9.1746** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **20.6623, 9.0979, 71.1913**, and the grayscale version is **35.5558, 37.4074, 40.7367**.

A 20% lighter version of the original color is **54.0579, 80.7542, 21.7548**, and **14.6623, 28.3453, 4.6984** is the 20% darker color. If you saturate the color by 10%, you get **32.8394, 56.5010, 9.1750**, and if you desaturate by 10%, it is **34.4964, 57.3380, 10.0301**.

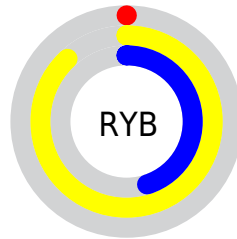
Distribution



Red (42%)

Green (88%)

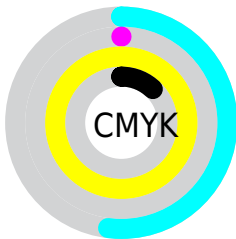
Blue (0%)



Red (0%)

Yellow (88%)

Blue (45%)

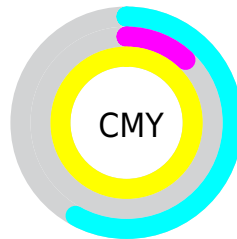


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (58%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8400, 56.4995, 9.1746 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 32.8400, 56.4995, 9.1746 by changing the saturation by 10% instead.


 32.8400, 56.4995,
9.1746


 32.8400, 56.4995,
9.1746


306.6059,
411.5712, 194.9409

 22.1626, 40.6035,
4.7569


 63.4820, 99.7345,
24.8141

 14.0937, 28.0094,
2.0491


 84.1773, 127.8424,
36.8729


 8.2680, 18.3328,
0.5852


 108.9425,
160.7897, 52.3158


 4.3201, 11.1892,
0.0000

 138.1431,
198.9608, 71.5613

 1.8848, 6.1942,
0.0000

 172.1444,
242.7401, 95.0281

 0.5680, 2.9635,
0.0000

 211.3117,

 0.0000, 1.1127,

292.5120, 123.1346

0.0000

256.0104,
348.6609, 156.2993

■ 0.0000, 0.0000,
0.0000

■ 32.8400, 56.4995,
9.1746

■ 32.8400, 56.4995,
9.1746

■ 32.8394, 56.5010,
9.1750

■ 34.4964, 57.3380,
10.0301

■ 36.5188, 58.3434,
11.8020

■ 38.9709, 59.5440,
14.7855

■ 41.8907, 60.9557,
19.1482

■ 45.3110, 62.5923,
25.0314

■ 49.2610, 64.4661,
32.5589

■ 53.7674, 66.5884,
41.8417

■ 58.8547, 68.9697,
52.9811

■ 64.5457, 71.6197,
66.0709

Harmonies

Analogous

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



47.9578, 56.4995, 4.0636



32.8400, 56.4995, 9.1746



25.0087, 56.4995, 29.4449

Triad

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



32.8400, 56.4995, 9.1746



40.8547, 56.4995, 234.5380



101.9685, 56.4995, 45.9766

Complementary

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



32.8400, 56.4995, 9.1746



20.6623, 9.0979, 71.1913

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.



98.6877, 56.4995, 111.0963



32.8400, 56.4995, 9.1746



59.8856, 56.4995, 249.9825

Square

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



32.8400, 56.4995, 9.1746



28.7639, 56.4995, 160.9704



81.9280, 56.4995, 195.2920



90.0114, 56.4995, 14.8044

Rectangle

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



32.8400, 56.4995, 9.1746



23.4703, 56.4995, 59.2666



81.9280, 56.4995, 195.2920



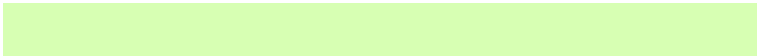
102.6630, 56.4995, 63.8264

Sweetspot

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



32.8413, 56.5019, 9.1758



71.9817, 89.2589, 55.8180



36.9585, 28.2811, 3.5117



14.8392, 18.8381, 10.7571



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.



32.8413, 56.5019, 9.1758



43.9179, 75.7256, 12.3018



26.6778, 53.3222, 8.9941



14.1544, 15.6598, 14.5834



19.2455, 32.9539, 5.3464



1.4370, 2.3373, 0.3754

Inverse Universe

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



20.6623, 9.0979, 71.1913



27.5771, 12.1314, 95.4959



43.6965, 21.0303, 69.6551



13.6259, 13.5907, 17.2928



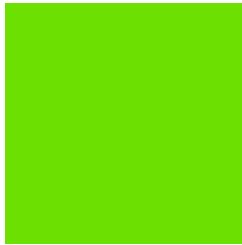
12.1588, 5.3634, 41.4428



0.9461, 0.4250, 2.8774

Previews

White Background



This preview shows how the XYZ color 32.8400, 56.4995, 9.1746 looks on a white background.

Color Contrast Check

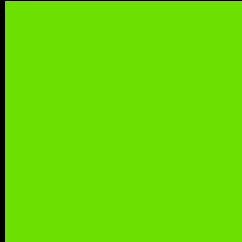
Large Text (above 18pt) WCAG AA × Fail

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 32.8400, 56.4995, 9.1746 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 32.8400, 56.4995, 9.1746

Background



This preview shows how black text looks on a background with the XYZ color 32.8400, 56.4995, 9.1746.

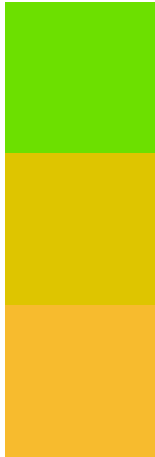


This preview shows how white text looks on a background with the XYZ color 32.8400, 56.4995,

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

32.8400, 56.4995, 9.1746

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

56.6212, 55.5121, 10.3154



Tritanopia

46.7939, 56.0370, 79.5841

Trichromacy



Original Color

32.8400, 56.4995, 9.1746



Protanomaly

41.3689, 54.4494, 8.3294



Deuteranomaly

43.6410, 53.1330, 9.1180



Tritanomaly

37.9066, 54.6655, 34.5402

Monochromacy



Original Color

32.8400, 56.4995, 9.1746



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.5592, 42.0466, 19.5492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8400, 56.4995, 9.1746 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(108, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 224, 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(108, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8400, 56.4995, 9.1746 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(108, 224, 0) }
```


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

```
.border{ border-color:rgb(108, 224, 0) }
```

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

Here you see how a box with a 4 pixel rgb(108, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 224,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8400, 56.4995, 9.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 224, 0) }
```

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

```
.background{ background-color: rgb(108,  
224, 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](#).

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