

Converting Colors

XYZ(33.4925, 64.5120, 10.6868)

Have a look what the booklet for
XYZ(33.4925, 64.5120, 10.6868)
contains.

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Color

**XYZ(33.4395, 64.3741,
10.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	39F200
RGB	57, 242, 0
RGB Percent	22%, 95%, 0%
CMY	0.7765, 0.0510, 0.9999
CMYK	0.76, 0.00, 1.00, 0.05
HSL	106°, 100%, 47%
HSV	106°, 100%, 95%
XYZ	33.4395, 64.3741, 10.6630
YIQ	159.0970, -32.5780, -114.4820

Conversions

Conversions Part 2

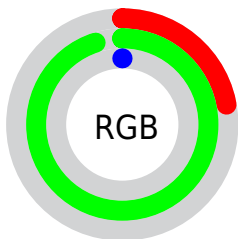
Format	Color
RYB	0, 242, 185
Decimal	3797504
CIELab	84.16, -78.75, 80.50
CIELCh	84, 112.616, 134.369
Yxy	64.3741, 0.3083, 0.5934
Android (android.graphics.Color)	4281987584 (0xFF39F200)
YUV	159.0970, -78.4348, -89.5391
Hunter-Lab	80.2335, -66.0138, 48.2838

Details

The XYZ color **33.4395, 64.3741, 10.6630** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **36.0449, 16.7309, 85.3374**, and the grayscale version is **33.3609, 35.0983, 38.2220**.

A 20% lighter version of the original color is **47.5971, 77.4091, 22.1057**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **33.4393, 64.3759, 10.6634**, and if you desaturate by 10%, it is **34.8620, 65.0900, 11.6033**.

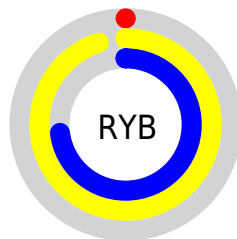
Distribution



Red (22%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (73%)

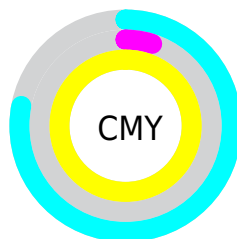


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (78%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4395, 64.3741, 10.6630 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 33.4395, 64.3741, 10.6630 by changing the saturation by 10% instead.


 33.4395, 64.3741,
10.6630


 33.4395, 64.3741,
10.6630


309.2556,
440.5393, 205.9945


 22.6242, 46.9537,
5.7294


 64.4112, 111.1495,
27.6624


 14.4354, 32.9991,
2.6151


 85.2983, 141.2734,
40.5652

 8.5078, 22.1257,
0.9003


 110.2733,
176.4005, 56.9615

 4.4761, 13.9493,
0.0000

 139.7017,
216.9153, 77.2699

 1.9749, 8.0854,
0.0000

 173.9488,
263.2022, 101.9088

 0.6198, 4.1497,
0.0000

 213.3799,

 0.0000, 1.7576,

315.6456, 131.2969

0.0000

258.3604,
374.6298, 165.8526

■ 0.0000, 0.4606,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4395, 64.3741,
10.6630

■ 33.4395, 64.3741,
10.6630

■ 33.4393, 64.3759,
10.6634

■ 34.8620, 65.0900,
11.6033

■ 36.9127, 66.1039,
13.6575

■ 39.6911, 67.4613,
17.1697

■ 43.2655, 69.1932,
22.3446

■ 47.6956, 71.3264,
29.3546

■ 53.0350, 73.8854,
38.3502

■ 59.3327, 76.8925,
49.4665

■ 66.6341, 80.3683,
62.8268

■ 74.9815, 84.3323,
78.5448

Harmonies

Analogous

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



50.0556, 64.3741, 3.5010



33.4395, 64.3741, 10.6630



25.6886, 64.3741, 39.2571

Triad

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



33.4395, 64.3741, 10.6630



49.1703, 64.3741, 302.4421



120.2764, 64.3741, 41.2718

Complementary

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



33.4395, 64.3741, 10.6630



36.0449, 16.7309, 85.3374

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.



119.8488, 64.3741, 113.9113



33.4395, 64.3741, 10.6630



73.8542, 64.3741, 304.5175

Square

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



33.4395, 64.3741, 10.6630



32.9438, 64.3741, 216.3580



101.1466, 64.3741, 220.9146



102.1922, 64.3741, 11.2829

Rectangle

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



33.4395, 64.3741, 10.6630



24.7846, 64.3741, 81.0672



101.1466, 64.3741, 220.9146



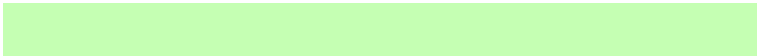
122.4212, 64.3741, 60.1557

Sweetspot

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



33.4410, 64.3768, 10.6644



66.7441, 86.5588, 55.5729



53.2478, 52.1344, 7.2575



13.6162, 18.2076, 10.6998



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.



33.4410, 64.3768, 10.6644



37.6255, 72.4817, 12.0073



32.5835, 63.8389, 14.9532



15.9142, 17.8359, 16.7536



18.0632, 34.6335, 5.7329



1.5881, 2.9252, 0.4809

Inverse Universe

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



36.0449, 16.7309, 85.3374



40.5470, 18.8176, 96.1028



45.0129, 22.2360, 45.9115



16.0693, 15.8330, 19.9307



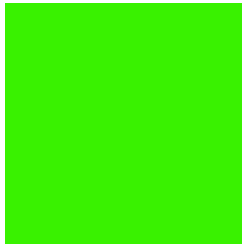
19.4885, 9.0521, 45.8479



1.7080, 0.7978, 3.8182

Previews

White Background



This preview shows how the XYZ color 33.4395, 64.3741, 10.6630 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 33.4395, 64.3741, 10.6630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

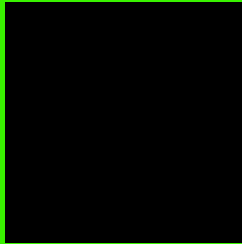
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4395, 64.3741, 10.6630

Background



This preview shows how black text looks on a background with the XYZ color 33.4395, 64.3741, 10.6630.

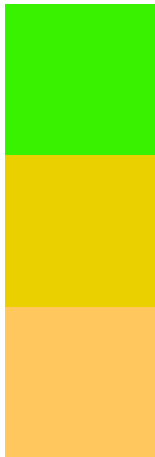


This preview shows how white text looks on a background with the XYZ color 33.4395, 64.3741,

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

33.4395, 64.3741, 10.6630

Protanopia

56.8168, 62.7739, 9.1220

Deuteranopia

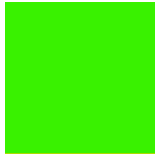
63.6838, 62.9150, 19.3770



Tritanopia

50.0423, 63.8989, 94.4902

Trichromacy



Original Color

33.4395, 64.3741, 10.6630



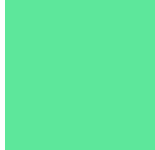
Protanomaly

42.1708, 59.7324, 9.3069



Deuteranomaly

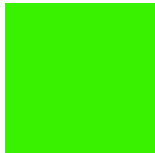
44.6445, 58.9944, 13.3090



Tritanomaly

39.0065, 61.8455, 40.8919

Monochromacy



Original Color

33.4395, 64.3741, 10.6630



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.5726, 41.4724, 18.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4395, 64.3741, 10.6630 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(57, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 242, 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(57, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4395, 64.3741, 10.6630 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(57, 242, 0) }
```


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

```
.border{ border-color:rgb(57, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(57, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 242, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4395, 64.3741, 10.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 242, 0) }
```

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

```
.background{ background-color: rgb(57, 242,  
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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