

Converting Colors

XYZ(33.6150, 50.8147, 8.0365)

Have a look what the booklet for
XYZ(33.6150, 50.8147, 8.0365)
contains.

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Color

**XYZ(33.5404, 50.7745,
8.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD000
RGB	141, 208, 0
RGB Percent	55%, 82%, 0%
CMY	0.4471, 0.1843, 0.9999
CMYK	0.32, 0.00, 1.00, 0.18
HSL	79°, 100%, 41%
HSV	79°, 100%, 82%
XYZ	33.5404, 50.7745, 8.0327
YIQ	164.2550, 26.8360, -78.8920

Conversions

Conversions Part 2

Format	Color
RYB	0, 208, 67
Decimal	9293824
CIELab	76.54, -45.56, 75.67
CIELCh	77, 88.331, 121.050
Yxy	50.7745, 0.3632, 0.5498
Android (android.graphics.Color)	4287483904 (0xFF8DD000)
YUV	164.2550, -80.9777, -20.3946
Hunter-Lab	71.2562, -40.6782, 43.1956

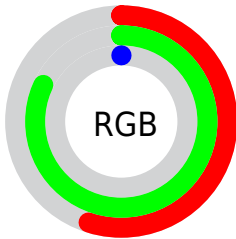
Details

The XYZ color **33.5404, 50.7745, 8.0327** 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 **13.7028, 5.7492, 60.0650**, and the grayscale version is **35.7759, 37.6390, 40.9889**.

A 20% lighter version of the original color is **61.1797, 84.4395, 21.4614**, and **14.9585, 24.6215, 3.9640** is the 20% darker color. If you saturate the color by 10%, you get **33.5400, 50.7760, 8.0330**, and if you desaturate by 10%, it is **34.8494, 51.4355, 8.7923**.

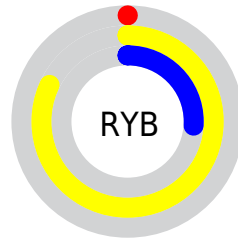
Distribution



Red (55%)

Green (82%)

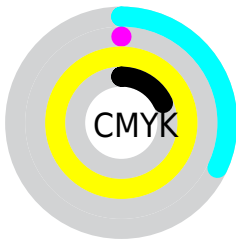
Blue (0%)



Red (0%)

Yellow (82%)

Blue (26%)

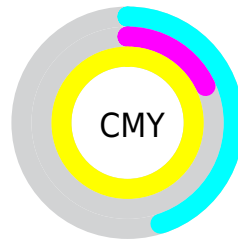


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (45%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5404, 50.7745, 8.0327 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 33.5404, 50.7745, 8.0327 by changing the saturation by 10% instead.


 33.5404, 50.7745,
8.0327


 33.5404, 50.7745,
8.0327


309.6999,
389.6870, 185.9324

 22.7020, 36.0292,
4.0278


 64.5674, 91.3214,
22.5698

 14.4931, 24.4567,
1.6406


 85.4866, 117.8917,
33.9390


 8.5484, 15.6728,
0.3196


 110.4968,
149.1725, 48.6001

 4.5025, 9.2929,
0.0000

 139.9633,
185.5481, 66.9716

 1.9902, 4.9327,
0.0000

 174.2516,
227.4030, 89.4720

 0.6284, 2.2078,
0.0000

 213.7268,

 0.0000, 0.7243,

275.1215, 116.5200

0.0000

258.7545,
329.0881, 148.5339

■ 0.0000, 0.0000,
0.0000

■ 33.5404, 50.7745,
8.0327

■ 33.5404, 50.7745,
8.0327

■ 33.5400, 50.7760,
8.0330

■ 34.8494, 51.4355,
8.7923

■ 36.3714, 52.1881,
10.3119

■ 38.1571, 53.0543,
12.8485

■ 40.2340, 54.0455,
16.5409

■ 42.6256, 55.1710,
21.5065

■ 45.3524, 56.4391,
27.8480

■ 48.4330, 57.8576,
35.6578

■ 51.8844, 59.4332,
45.0202

■ 55.7224, 61.1724,
56.0131

Harmonies

Analogous

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



47.6747, 50.7745, 4.9208



33.5404, 50.7745, 8.0327



25.2907, 50.7745, 21.6865

Triad

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



33.5404, 50.7745, 8.0327



34.3450, 50.7745, 180.8343



87.9351, 50.7745, 53.6196

Complementary

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



33.5404, 50.7745, 8.0327



13.7028, 5.7492, 60.0650

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.



82.1006, 50.7745, 112.7027



33.5404, 50.7745, 8.0327



48.8494, 50.7745, 207.2757

Square

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



33.5404, 50.7745, 8.0327



25.6744, 50.7745, 117.4523



66.7562, 50.7745, 177.1530



81.2664, 50.7745, 20.1624

Rectangle

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



33.5404, 50.7745, 8.0327



23.0124, 50.7745, 42.1951



66.7562, 50.7745, 177.1530



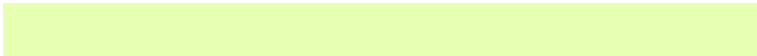
87.3620, 50.7745, 70.8351

Sweetspot

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



33.5416, 50.7767, 8.0338



76.5930, 91.6361, 56.0338



27.9554, 17.2937, 1.8653



15.9350, 19.4030, 10.8084



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.



33.5416, 50.7767, 8.0338



52.9596, 80.3867, 12.7249



23.3622, 45.5291, 7.5574



12.4177, 13.5988, 12.5824



21.0077, 31.6988, 5.0113



1.2556, 1.8141, 0.2840

Inverse Universe

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



13.7028, 5.7492, 60.0650



21.5431, 9.0207, 95.2135



27.9366, 13.0870, 60.7311



11.5172, 11.5999, 14.8756



8.6291, 3.6288, 37.4381



0.5649, 0.2454, 2.0972

Previews

White Background



This preview shows how the XYZ color 33.5404, 50.7745, 8.0327 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 33.5404, 50.7745, 8.0327 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 33.5404, 50.7745, 8.0327

Background



This preview shows how black text looks on a background with the XYZ color 33.5404, 50.7745, 8.0327.

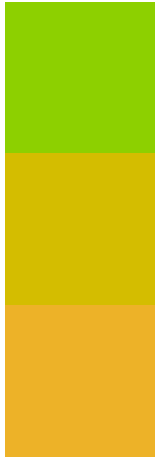


This preview shows how white text looks on a background with the XYZ color 33.5404, 50.7745,

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

33.5404, 50.7745, 8.0327

Protanopia

45.3490, 50.3922, 7.3365

Deuteranopia

51.2284, 49.9985, 8.9581



Tritanopia

45.4789, 50.4248, 67.6576

Trichromacy



Original Color

33.5404, 50.7745, 8.0327

Protanomaly

39.9896, 49.9190, 7.5276

Deuteranomaly

42.7302, 49.0219, 8.1298

Tritanomaly

37.7541, 48.9516, 29.6491

Monochromacy



Original Color

33.5404, 50.7745, 8.0327

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.5303, 40.7099, 19.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5404, 50.7745, 8.0327 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(141, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 208, 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(141, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 208, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5404, 50.7745, 8.0327 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(141, 208, 0) }
```


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

```
.border{ border-color:rgb(141, 208, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 208, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 208,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5404, 50.7745, 8.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 208, 0) }
```

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

```
.background{ background-color: rgb(141,  
208, 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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