

Converting Colors

XYZ(33.4145, 66.7567, 11.3612)

Have a look what the booklet for
XYZ(33.4145, 66.7567, 11.3612)
contains.

XYZ(33.3046, 66.5391, 11.3177)	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(33.3046, 66.5391,
11.3177)**

Conversions

Conversions Part 1

Format	Color
Hex	00F708
RGB	0, 247, 8
RGB Percent	0%, 97%, 3%
CMY	1.0000, 0.0314, 0.9685
CMYK	1.00, 0.00, 0.97, 0.03
HSL	122°, 100%, 48%
HSV	122°, 100%, 97%
XYZ	33.3046, 66.5391, 11.3177
YIQ	145.9010, -70.4930, -126.6930

Conversions

Conversions Part 2

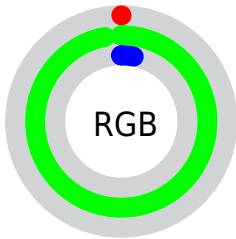
Format	Color
RYB	0, 239, 247
Decimal	63240
CIELab	85.27, -84.01, 80.57
CIELCh	85, 116.401, 136.199
Yxy	66.5391, 0.2996, 0.5986
Android (android.graphics.Color)	4278253320 (0xFF00F708)
YUV	145.9010, -67.9852, -127.9552
Hunter-Lab	81.5715, -69.8709, 48.8738

Details

The XYZ color **33.3046, 66.5391, 11.3177** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **53.9347, 26.0051, 83.8141**, and the grayscale version is **27.5746, 29.0106, 31.5925**.

A 20% lighter version of the original color is **45.1630, 76.1443, 22.4422**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **33.3062, 66.5419, 11.3192**, and if you desaturate by 10%, it is **33.9155, 66.8311, 12.4738**.

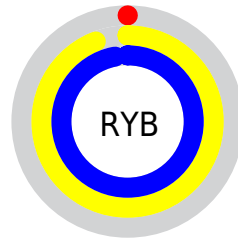
Distribution



Red (0%)

Green (97%)

Blue (3%)



Red (0%)

Yellow (94%)

Blue (97%)

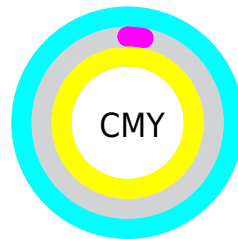


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (100%)


Magenta (3%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3046, 66.5391, 11.3177 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 33.3046, 66.5391, 11.3177 by changing the saturation by 10% instead.


 33.3046, 66.5391,
11.3177


 33.3046, 66.5391,
11.3177


308.6608,
448.3024, 210.6494


 22.5202, 48.7102,
6.1641


 64.2023, 114.2597,
28.8917


 14.3584, 34.3896,
2.8747


 85.0463, 144.9202,
42.1493


 8.4537, 23.1931,
1.0310


 109.9743,
180.6267, 58.9452

 4.4409, 14.7361,
0.0000

 139.3516,
221.7635, 79.6980

 1.9544, 8.6344,
0.0000

 173.5435,
268.7151, 104.8263

 0.6082, 4.5035,
0.0000

 212.9155,

 0.0000, 1.9590,

321.8659, 134.7486

0.0000

257.8328,
381.6002, 169.8835

■ 0.0000, 0.5835,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3046, 66.5391,
11.3177

■ 33.3046, 66.5391,
11.3177

■ 33.3062, 66.5419,
11.3192

■ 33.9155, 66.8311,
12.4738

■ 35.2578, 67.4711,
14.8845

■ 37.5318, 68.5593,
18.7916

■ 40.8657, 70.1576,
24.3845

■ 45.3673, 72.3182,
31.8245

■ 51.1314, 75.0870,
41.2543

■ 58.2430, 78.5049,
52.8024

■ 66.7798, 82.6095,
66.5867

■ 76.8133, 87.4354,
82.7163

Harmonies

Analogous

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



50.1532, 66.5391, 3.3749



33.3046, 66.5391, 11.3177



25.7356, 66.5391, 43.0895

Triad

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



33.3046, 66.5391, 11.3177



51.9255, 66.5391, 323.9224



125.3323, 66.5391, 39.0794

Complementary

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



33.3046, 66.5391, 11.3177



53.9347, 26.0051, 83.8141

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.



126.1986, 66.5391, 112.8044



33.3046, 66.5391, 11.3177



78.4336, 66.5391, 319.6827

Square

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



33.3046, 66.5391, 11.3177



34.2903, 66.5391, 235.4174



107.2381, 66.5391, 226.1377



105.1237, 66.5391, 10.1193

Rectangle

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



33.3046, 66.5391, 11.3177



25.1012, 66.5391, 89.2485



107.2381, 66.5391, 226.1377



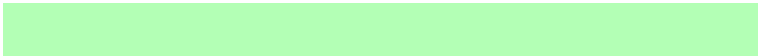
128.0540, 66.5391, 57.9035

Sweetspot

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



33.3062, 66.5419, 11.3192



62.5744, 84.3800, 56.6989



70.1855, 85.5590, 12.8154



12.6640, 17.7102, 10.9534



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.



33.3062, 66.5419, 11.3192



35.8054, 71.5382, 12.1593



37.1334, 68.0728, 31.4731



16.3041, 18.4808, 17.6195



17.6237, 35.1943, 6.0382



1.5565, 3.0963, 0.5704

Inverse Universe

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



53.9347, 26.0051, 83.8141



57.9829, 27.9572, 90.0969



41.7123, 21.1162, 19.4517



17.1890, 16.7584, 20.7417



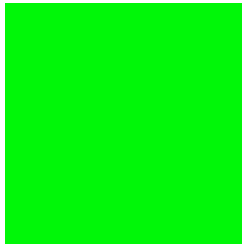
28.5340, 13.7570, 44.3818



2.5151, 1.2120, 3.9386

Previews

White Background



This preview shows how the XYZ color 33.3046, 66.5391, 11.3177 looks on a white background.

Color Contrast Check

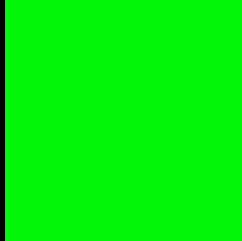
Large Text (above 18pt) WCAG AA × Fail

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 33.3046, 66.5391, 11.3177 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

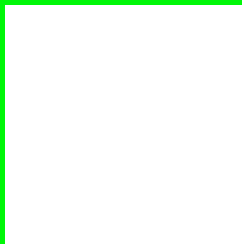
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3046, 66.5391, 11.3177

Background



This preview shows how black text looks on a background with the XYZ color 33.3046, 66.5391, 11.3177.



This preview shows how white text looks on a background with the XYZ color 33.3046, 66.5391,

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

33.3046, 66.5391, 11.3177

Protanopia

58.5542, 64.7657, 9.4149

Deuteranopia

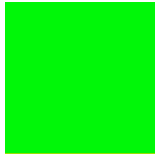
65.2852, 64.6709, 24.3711



Tritanopia

50.9490, 66.3140, 98.9215

Trichromacy



Original Color

33.3046, 66.5391, 11.3177



Protanomaly

39.4346, 59.8972, 9.5690



Deuteranomaly

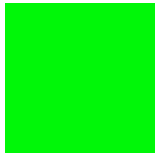
41.2077, 58.3186, 15.5633



Tritanomaly

38.6752, 63.7224, 43.9795

Monochromacy



Original Color

33.3046, 66.5391, 11.3177



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.5590, 37.0387, 16.9738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3046, 66.5391, 11.3177 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(0, 247, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 8)  
}
```

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(0, 247, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 8) }
```

Border

The CSS property to change the border of an element to XYZ 33.3046, 66.5391, 11.3177 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(0, 247, 8) }
```


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

```
.border{ border-color:rgb(0, 247, 8) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 247, 8); box-shadow:4px  
4px 4px 4px rgb(0, 247, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3046, 66.5391, 11.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 8) }
```

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

```
.background{ background-color: rgb(0, 247,  
8) }
```

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