

Converting Colors

XYZ(33.3548, 65.9813, 13.3637)

Have a look what the booklet for
XYZ(33.3548, 65.9813, 13.3637)
contains.

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Color

**XYZ(33.4104, 66.0934,
13.3793)**

Conversions

Conversions Part 1

Format	Color
Hex	00F62C
RGB	0, 246, 44
RGB Percent	0%, 96%, 17%
CMY	1.0000, 0.0353, 0.8274
CMYK	1.00, 0.00, 0.82, 0.04
HSL	131°, 100%, 48%
HSV	131°, 100%, 96%
XYZ	33.4104, 66.0934, 13.3793
YIQ	149.4180, -81.7740, -114.9740

Conversions

Conversions Part 2

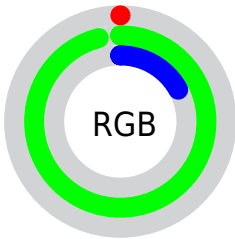
Format	Color
RYB	0, 209, 246
Decimal	63020
CIELab	85.04, -82.66, 74.78
CIELCh	85, 111.470, 137.865
Yxy	66.0934, 0.2960, 0.5855
Android (android.graphics.Color)	4278253100 (0xFF00F62C)
YUV	149.4180, -51.9711, -131.0396
Hunter-Lab	81.2978, -68.9144, 47.1511

Details

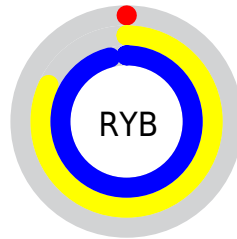
The XYZ color **33.4104, 66.0934, 13.3793** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **48.6677, 23.8577, 57.9140**, and the grayscale version is **28.9824, 30.4917, 33.2055**.

A 20% lighter version of the original color is **45.8029, 76.3846, 26.5170**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **33.4119, 66.0961, 13.3807**, and if you desaturate by 10%, it is **34.2797, 66.4884, 15.9088**.

Distribution



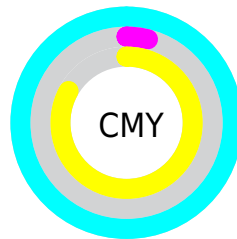
- Red (0%)
- Green (96%)
- Blue (17%)



- Red (0%)
- Yellow (82%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4104, 66.0934, 13.3793 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 33.4104, 66.0934, 13.3793 by changing the saturation by 10% instead.

33.4104, 66.0934,
13.3793

33.4104, 66.0934,
13.3793

309.1274,
446.7108, 224.6270

22.6018, 48.3482,
7.5565

64.3661, 113.6204,
32.6847

14.4188, 34.1027,
3.7288

85.2439, 144.1710,
47.0043

8.4962, 22.9725,
1.4778

110.2089,
179.7588, 64.9932

4.4685, 14.5732,
0.2013

139.6262,
220.7683, 87.0701

1.9704, 8.5204,
0.0000

173.8614,
267.5839, 113.6533

0.6173, 4.4297,
0.0000

213.2797,

0.0000, 1.9167,

320.5899, 145.1615

0.0000

258.2466,
380.1708, 182.0132

■ 0.0000, 0.5584,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4104, 66.0934,
13.3793

■ 33.4104, 66.0934,
13.3793

■ 33.4119, 66.0961,
13.3807

■ 34.2797, 66.4884,
15.9088

■ 35.8498, 67.2187,
19.5570

■ 38.2958, 68.3741,
24.4387

■ 41.7272, 70.0091,
30.6519

■ 46.2375, 72.1700,
38.2847

■ 51.9088, 74.8974,
47.4173

■ 58.8153, 78.2280,
58.1243

■ 67.0249, 82.1954,
70.4751

■ 76.6004, 86.8304,
84.5348

Harmonies

Analogous

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



49.1543, 66.0934, 4.3020



33.4104, 66.0934, 13.3793



26.4789, 66.0934, 46.6562

Triad

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



33.4104, 66.0934, 13.3793



53.2159, 66.0934, 309.1130



120.8192, 66.0934, 37.3611

Complementary

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



33.4104, 66.0934, 13.3793



48.6677, 23.8577, 57.9140

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.



122.7594, 66.0934, 105.0846



33.4104, 66.0934, 13.3793



78.8089, 66.0934, 299.7650

Square

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



33.4104, 66.0934, 13.3793



35.6988, 66.0934, 230.6964



105.8066, 66.0934, 210.1124



101.0532, 66.0934, 10.4440

Rectangle

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



33.4104, 66.0934, 13.3793



26.1296, 66.0934, 92.5704



105.8066, 66.0934, 210.1124



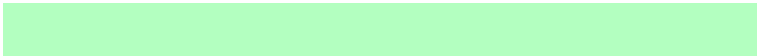
123.7375, 66.0934, 54.6686

Sweetspot

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



33.4119, 66.0961, 13.3808



63.7701, 84.8582, 62.9953



58.1350, 78.8939, 12.1641



12.9365, 17.8192, 12.3884



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.



33.4119, 66.0961, 13.3808



36.2457, 71.7143, 14.4775



39.6583, 68.5947, 46.2735



16.4032, 18.5204, 18.1418



17.8693, 35.2926, 7.3314



1.6035, 3.1151, 0.8182

Inverse Universe

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



48.6677, 23.8577, 57.9140



52.7959, 25.8824, 62.7824



39.5307, 20.2029, 9.7992



17.0790, 16.7144, 20.1623



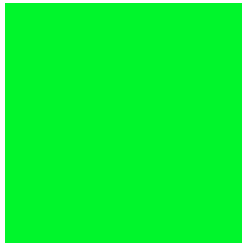
26.0234, 12.7528, 31.1612



2.3197, 1.1339, 2.9100

Previews

White Background



This preview shows how the XYZ color 33.4104, 66.0934, 13.3793 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 33.4104, 66.0934, 13.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

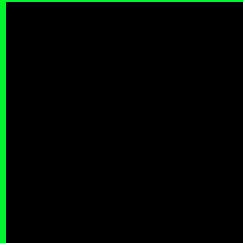
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

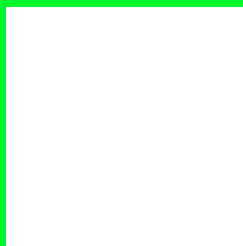
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4104, 66.0934, 13.3793

Background



This preview shows how black text looks on a background with the XYZ color 33.4104, 66.0934, 13.3793.

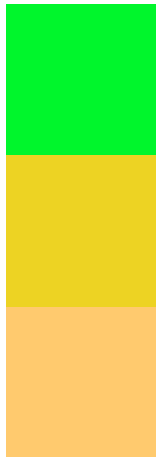


This preview shows how white text looks on a background with the XYZ color 33.4104, 66.0934,

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

33.4104, 66.0934, 13.3793

Protanopia

58.5227, 64.7144, 10.9968

Deuteranopia

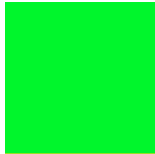
65.1750, 64.6268, 23.7910



Tritanopia

50.4421, 65.6407, 98.8183

Trichromacy



Original Color

33.4104, 66.0934, 13.3793



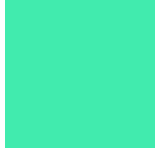
Protanomaly

39.7680, 60.0306, 11.3248



Deuteranomaly

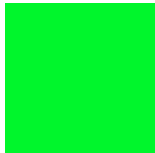
41.6514, 58.4961, 17.8997



Tritanomaly

39.5283, 63.5965, 50.2364

Monochromacy



Original Color

33.4104, 66.0934, 13.3793



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.7290, 37.8616, 21.0436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4104, 66.0934, 13.3793 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, 246, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 44)  
}
```

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, 246, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 44) }
```

Border

The CSS property to change the border of an element to XYZ 33.4104, 66.0934, 13.3793 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, 246, 44) }
```


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

```
.border{ border-color:rgb(0, 246, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 246, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4104, 66.0934, 13.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 44) }
```

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

```
.background{ background-color: rgb(0, 246,  
44) }
```

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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