

Converting Colors

XYZ(37.4004, 66.8621, 31.0131)

Have a look what the booklet for
XYZ(37.4004, 66.8621, 31.0131)
contains.

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Color

**XYZ(37.4004, 66.8621,
31.0131)**

Conversions

Conversions Part 1

Format	Color
Hex	30F47F
RGB	48, 244, 127
RGB Percent	19%, 96%, 50%
CMY	0.8117, 0.0431, 0.5019
CMYK	0.80, 0.00, 0.48, 0.04
HSL	144°, 90%, 57%
HSV	144°, 80%, 96%
XYZ	37.4004, 66.8621, 31.0131
YIQ	172.0580, -79.2590, -77.9390

Conversions

Conversions Part 2

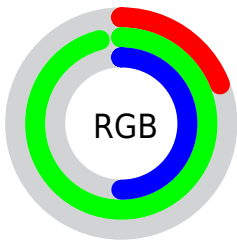
Format	Color
R_{YB}	48, 188, 244
Decimal	3208319
CIE _{Lab}	85.43, -70.82, 43.30
CIE _{LCh}	85, 83.008, 148.561
Yxy	66.8621, 0.2765, 0.4943
Android (android.graphics.Color)	4281398399 (0xFF30F47F)
YUV	172.0580, -22.2136, -108.7989
Hunter-Lab	81.7692, -61.4521, 34.7512

Details

The XYZ color **37.4004, 66.8621, 31.0131** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.1589, 24.0649, 37.8648**, and the grayscale version is **39.3814, 41.4323, 45.1198**.

A 20% lighter version of the original color is **52.7047, 79.2918, 56.2431**, and **18.8289, 35.6258, 12.5407** is the 20% darker color. If you saturate the color by 10%, you get **35.6684, 66.0729, 26.3307**, and if you desaturate by 10%, it is **39.9049, 68.0373, 36.4511**.

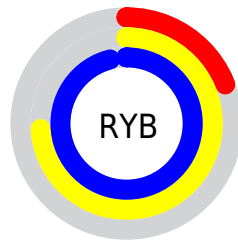
Distribution



Red (19%)

Green (96%)

Blue (50%)



Red (19%)

Yellow (74%)

Blue (96%)

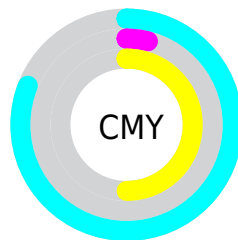


Cyan (80%)

Magenta (0%)

Yellow (48%)

Black (4%)



Cyan (81%)


Magenta (4%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4004, 66.8621, 31.0131 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 37.4004, 66.8621, 31.0131 by changing the saturation by 10% instead.


 37.4004, 66.8621,
31.0131


 37.4004, 66.8621,
31.0131


326.3663,
449.4538, 320.9517


 25.6928, 48.9726,
20.3503


 70.4980, 114.7228,
62.3405

 16.7254, 34.5977,
12.4633


 92.6187, 145.4627,
83.8422

 10.1330, 23.3532,
6.9337


 118.9411,
181.2550, 109.7939

 5.5502, 14.8545,
3.3428

 149.8306,
222.4838, 140.6142

 2.6116, 8.7173,
1.2722

185.6525,
269.5337, 176.7215

 0.9519, 4.5573,
0.0389

226.7721,

 0.0000, 1.9899,

322.7891, 218.5346

0.0000

273.5550,
382.6343, 266.4718

■ 0.0000, 0.6016,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4004, 66.8621,
31.0131

■ 37.4004, 66.8621,
31.0131

■ 35.6684, 66.0729,
26.3307


■ 39.9049, 68.0373,
36.4511


■ 34.5730, 65.5924,
22.4798


■ 43.2732, 69.6395,
42.6733


■ 47.5881, 71.7126,
49.7122


■ 52.9212, 74.2929,
57.5970

 59.3366, 77.4130,
66.3553

 66.8931, 81.1026,
76.0135

 75.6452, 85.3892,
86.5966

 85.6435, 90.2987,
98.1288

 91.6420, 93.1839,
107.7640

Harmonies

Analogous

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



47.7685, 66.8621, 14.4351



37.4004, 66.8621, 31.0131



33.7990, 66.8621, 70.2292

Triad

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



37.4004, 66.8621, 31.0131



62.6458, 66.8621, 233.3798



100.9376, 66.8621, 33.6365

Complementary

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



37.4004, 66.8621, 31.0131



45.1589, 24.0649, 37.8648

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.



107.0372, 66.8621, 75.4358



37.4004, 66.8621, 31.0131



82.4738, 66.8621, 207.0796

Square

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



37.4004, 66.8621, 31.0131



46.4788, 66.8621, 201.8974



99.7053, 66.8621, 141.3614



84.3612, 66.8621, 15.3385

Rectangle

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



37.4004, 66.8621, 31.0131



35.0423, 66.8621, 111.0353



99.7053, 66.8621, 141.3614



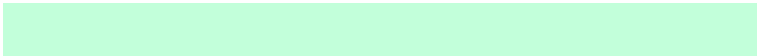
104.4100, 66.8621, 44.5384

Sweetspot

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



37.4021, 66.8648, 31.0146



70.6729, 88.0493, 79.9209



48.5286, 72.9817, 14.3259



14.4937, 18.5370, 16.2943



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.



37.4021, 66.8648, 31.0146



38.6409, 72.6871, 26.4241



47.0806, 70.7362, 81.9809



16.5590, 18.5827, 18.9619



18.8615, 35.6894, 12.5564



1.7072, 3.1565, 1.3639

Inverse Universe

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



45.1589, 24.0649, 37.8648



47.3796, 23.8930, 33.7148



39.3982, 21.7607, 7.5295



16.9144, 16.6486, 19.2958



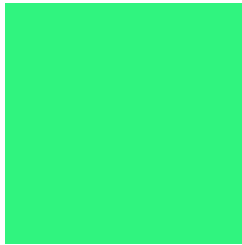
23.1621, 11.6083, 16.0938



2.0865, 1.0406, 1.6818

Previews

White Background



This preview shows how the XYZ color 37.4004, 66.8621, 31.0131 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 37.4004, 66.8621, 31.0131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

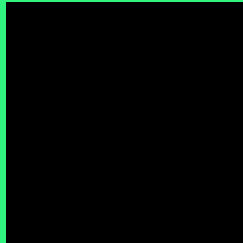
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

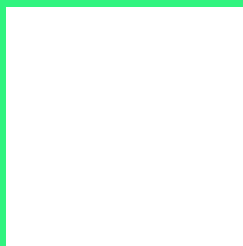
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4004, 66.8621, 31.0131

Background



This preview shows how black text looks on a background with the XYZ color 37.4004, 66.8621, 31.0131.

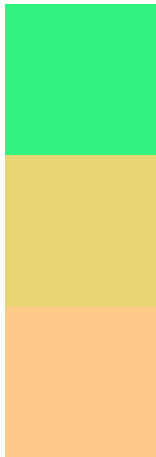


This preview shows how white text looks on a background with the XYZ color 37.4004, 66.8621,

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

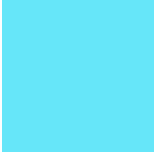
37.4004, 66.8621, 31.0131

Protanopia

60.2423, 65.6484, 25.7160

Deuteranopia

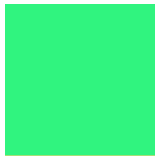
66.5089, 65.1180, 32.7305



Tritanopia

50.8752, 66.2580, 99.7302

Trichromacy



Original Color

37.4004, 66.8621, 31.0131



Protanomaly

45.7113, 62.7502, 27.1555



Deuteranomaly

47.6369, 60.9029, 31.4350



Tritanomaly

44.2075, 65.6183, 68.0932

Monochromacy



Original Color

37.4004, 66.8621, 31.0131



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.9472, 47.3005, 38.7405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4004, 66.8621, 31.0131 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(48, 244, 127)` looks like.

```
.text, #text, p{  
    color:rgb(48, 244, 127)  
}
```

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(48, 244, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 244, 127) }
```

Border

The CSS property to change the border of an element to XYZ 37.4004, 66.8621, 31.0131 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(48, 244, 127) }
```


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

```
.border{ border-color:rgb(48, 244, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 244, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 244, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 244, 127);  
box-shadow:4px 4px 4px 4px rgb(48, 244,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4004, 66.8621, 31.0131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 244, 127) }
```

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

```
.background{ background-color: rgb(48, 244,  
127) }
```

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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