

Converting Colors

XYZ(37.2901, 67.5309, 18.4648)

Have a look what the booklet for
XYZ(37.2901, 67.5309, 18.4648)
contains.

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Color

**XYZ(37.2881, 67.5316,
18.4668)**

Conversions

Conversions Part 1

Format	Color
Hex	4FF54F
RGB	79, 245, 79
RGB Percent	31%, 96%, 31%
CMY	0.6902, 0.0392, 0.6902
CMYK	0.68, 0.00, 0.68, 0.04
HSL	120°, 89%, 64%
HSV	120°, 68%, 96%
XYZ	37.2881, 67.5316, 18.4668
YIQ	176.4420, -45.6500, -86.8180

Conversions

Conversions Part 2

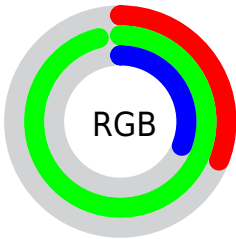
Format	Color
R_{YB}	79, 245, 245
Decimal	5240143
CIE _{Lab}	85.77, -72.64, 64.76
CIE _{LCh}	86, 97.320, 138.283
Yxy	67.5316, 0.3025, 0.5478
Android (android.graphics.Color)	4283430223 (0xFF4FF54F)
YUV	176.4420, -48.0389, -85.4566
Hunter-Lab	82.1776, -62.8164, 44.2008

Details

The XYZ color **37.2881, 67.5316, 18.4668** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **56.9349, 31.5977, 89.4832**, and the grayscale version is **41.7596, 43.9344, 47.8445**.

A 20% lighter version of the original color is **52.1658, 79.4723, 35.5119**, and **17.7977, 35.5516, 6.0677** is the 20% darker color. If you saturate the color by 10%, you get **34.8798, 66.3768, 14.5263**, and if you desaturate by 10%, it is **40.7785, 69.2103, 24.1750**.

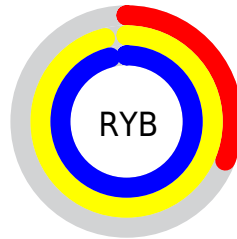
Distribution



Red (31%)

Green (96%)

Blue (31%)



Red (31%)

Yellow (96%)

Blue (96%)

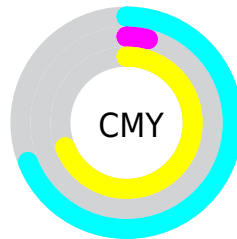


Cyan (68%)

Magenta (0%)

Yellow (68%)

Black (4%)



Cyan (69%)

Magenta (4%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2881, 67.5316, 18.4668 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 37.2881, 67.5316, 18.4668 by changing the saturation by 10% instead.

37.2881, 67.5316,
18.4668

37.2881, 67.5316,
18.4668

325.8901,
451.8347, 255.8130

25.6053, 49.5168,
11.1127

70.3266, 115.6818,
41.6558

16.6597, 35.0296,
6.0276

92.4131, 146.5860,
58.3278

10.0860, 23.6857,
2.7928

118.6982,
182.5554, 78.9428

5.5187, 15.1006,
0.9898

149.5472,
223.9744, 103.9195

2.5926, 8.8900,
0.0000

185.3255,
271.2274, 133.6763

0.9422, 4.6695,
0.0000

226.3986,

0.0000, 2.0547,

324.6989, 168.6318

0.0000

273.1316,
384.7732, 209.2046

0.0000, 0.6390,
0.0000

0.0000, 0.0000,
0.0000

37.2881, 67.5316,
18.4668

37.2881, 67.5316,
18.4668

34.8798, 66.3768,
14.5263

40.7785, 69.2103,
24.1750

33.4236, 65.6773,
12.1441

45.4526, 71.4555,
31.8205

32.7528, 65.3551,
11.0467

51.4056, 74.3150,
41.5577

32.6538, 65.3076,
10.8849

58.7218, 77.8293,
53.5247

67.4783, 82.0356,
67.8474

77.7465, 86.9679,
84.6426

89.5929, 92.6583,
104.0191

91.9438, 93.7876,
107.8646

Harmonies

Analogous

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



51.6962, 67.5316, 7.7995



37.2881, 67.5316, 18.4668



30.7858, 67.5316, 51.3779

Triad

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



37.2881, 67.5316, 18.4668



55.8963, 67.5316, 270.1626



113.8947, 67.5316, 41.4400

Complementary

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



37.2881, 67.5316, 18.4668



56.9349, 31.5977, 89.4832

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.



115.7609, 67.5316, 101.2800



37.2881, 67.5316, 18.4668



78.5427, 67.5316, 261.6187

Square

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



37.2881, 67.5316, 18.4668



39.7491, 67.5316, 207.8799



101.6466, 67.5316, 188.6917



97.0182, 67.5316, 14.7968

Rectangle

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



37.2881, 67.5316, 18.4668



30.5142, 67.5316, 92.6016



101.6466, 67.5316, 188.6917



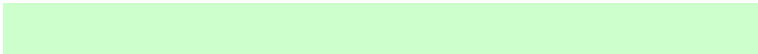
116.4208, 67.5316, 57.2758

Sweetspot

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



37.2897, 67.5344, 18.4683



71.5611, 88.7171, 70.4803



71.7228, 85.2854, 20.0786



14.7263, 18.7053, 14.1194



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.



37.2897, 67.5344, 18.4683



37.5432, 72.3766, 14.8374



42.4000, 69.5785, 45.3787



16.2823, 18.4721, 17.5050



17.5906, 35.1811, 5.8637



1.5460, 3.0921, 0.5154

Inverse Universe

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



56.9349, 31.5977, 89.4832



60.3642, 30.6304, 97.3321



46.9755, 27.6139, 37.0376



17.2137, 16.7683, 20.8718



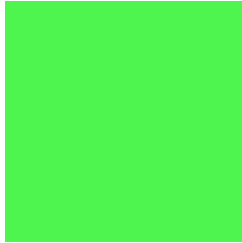
29.1643, 14.0092, 47.7012



2.5633, 1.2313, 4.1925

Previews

White Background



This preview shows how the XYZ color 37.2881, 67.5316, 18.4668 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 37.2881, 67.5316, 18.4668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

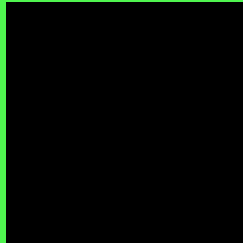
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2881, 67.5316, 18.4668

Background



This preview shows how black text looks on a background with the XYZ color 37.2881, 67.5316, 18.4668.

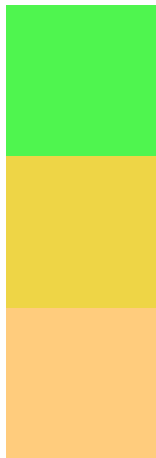


This preview shows how white text looks on a background with the XYZ color 37.2881, 67.5316,

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

37.2881, 67.5316, 18.4668

Protanopia

60.1596, 66.2078, 15.4030

Deuteranopia

66.5345, 65.9264, 28.6204



Tritanopia

52.9762, 66.9650, 98.1291

Trichromacy



Original Color

37.2881, 67.5316, 18.4668



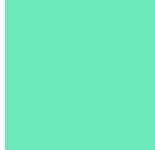
Protanomaly

46.9502, 64.0348, 16.1887



Deuteranomaly

49.5241, 62.8221, 23.7030



Tritanomaly

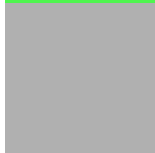
44.6347, 66.0876, 56.8581

Monochromacy



Original Color

37.2881, 67.5316, 18.4668



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.6789, 49.3591, 32.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2881, 67.5316, 18.4668 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(79, 245, 79)` looks like.

```
.text, #text, p{  
    color:rgb(79, 245, 79)  
}
```

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(79, 245, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 245, 79) }
```

Border

The CSS property to change the border of an element to XYZ 37.2881, 67.5316, 18.4668 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(79, 245, 79) }
```


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

```
.border{ border-color:rgb(79, 245, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 245, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 245, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 245, 79);  
box-shadow:4px 4px 4px 4px rgb(79, 245,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2881, 67.5316, 18.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 245, 79) }
```

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

```
.background{ background-color: rgb(79, 245,  
79) }
```

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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