

Converting Colors

XYZ(37.2931, 68.9093, 17.9937)

Have a look what the booklet for
XYZ(37.2931, 68.9093, 17.9937)
contains.

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Color

**XYZ(37.2916, 68.9080,
17.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	45F84B
RGB	69, 248, 75
RGB Percent	27%, 97%, 29%
CMY	0.7294, 0.0274, 0.7059
CMYK	0.72, 0.00, 0.70, 0.03
HSL	122°, 93%, 62%
HSV	122°, 72%, 97%
XYZ	37.2916, 68.9080, 17.9917
YIQ	174.7570, -51.1510, -91.7510

Conversions

Conversions Part 2

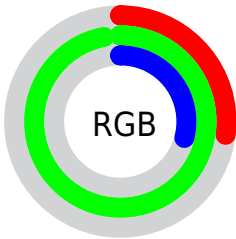
Format	Color
R _{YB}	69, 242, 248
Decimal	4585547
CIE Lab	86.46, -75.59, 66.90
CIE LCh	86, 100.947, 138.489
Yxy	68.9080, 0.3003, 0.5549
Android (android.graphics.Color)	4282775627 (0xFF45F84B)
YUV	174.7570, -49.1802, -92.7489
Hunter-Lab	83.0108, -65.0800, 45.2571

Details

The XYZ color **37.2916, 68.9080, 17.9917** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **56.8679, 30.6242, 86.9171**, and the grayscale version is **40.8886, 43.0180, 46.8466**.

A 20% lighter version of the original color is **50.9094, 78.8487, 34.3659**, and **18.4135, 36.8269, 6.1378** is the 20% darker color. If you saturate the color by 10%, you get **35.2145, 67.9168, 14.3896**, and if you desaturate by 10%, it is **40.4153, 70.4071, 23.2578**.

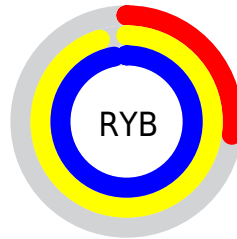
Distribution



Red (27%)

Green (97%)

Blue (29%)



Red (27%)

Yellow (95%)

Blue (97%)

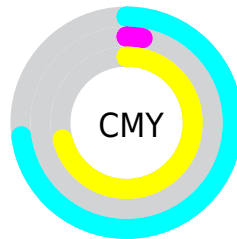


Cyan (72%)

Magenta (0%)

Yellow (70%)

Black (3%)



Cyan (73%)

Magenta (3%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2916, 68.9080, 17.9917 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 37.2916, 68.9080, 17.9917 by changing the saturation by 10% instead.

37.2916, 68.9080,
17.9917

37.2916, 68.9080,
17.9917

325.9049,
456.7064, 253.0588

25.6081, 50.6368,
10.7746

70.3320, 117.6502,
40.8369

16.6618, 35.9196,
5.8033

92.4195, 148.8899,
57.3022

10.0875, 24.3721,
2.6590

118.7057,
185.2213, 77.6873

5.5197, 15.6099,
0.9227

149.5560,
227.0287, 102.4107

2.5931, 9.2485,
0.0000

185.3357,
274.6965, 131.8910

0.9425, 4.9036,
0.0000

226.4102,

0.0000, 2.1908,

328.6091, 166.5468

0.0000

273.1448,
389.1510, 206.7965

■ 0.0000, 0.7150,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2916, 68.9080,
17.9917

■ 37.2916, 68.9080,
17.9917

■ 35.2145, 67.9168,
14.3896

■ 40.4153, 70.4071,
23.2578


■ 34.0438, 67.3595,
12.2485

■ 44.6934, 72.4600,
30.3507


■ 33.6144, 67.1558,
11.4297


■ 50.2256, 75.1169,
39.4190

■ 57.0994, 78.4202,
50.5950

 65.3948, 82.4086,
63.9993

 75.1852, 87.1174,
79.7436

 86.5392, 92.5798,
97.9320

 92.8588, 95.6176,
108.1696

Harmonies

Analogous

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



52.2597, 68.9080, 7.2107



37.2916, 68.9080, 17.9917



30.6074, 68.9080, 52.1776

Triad

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



37.2916, 68.9080, 17.9917



56.9353, 68.9080, 284.8140



117.9893, 68.9080, 41.1842

Complementary

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



37.2916, 68.9080, 17.9917



56.8679, 30.6242, 86.9171

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.



120.0966, 68.9080, 103.7344



37.2916, 68.9080, 17.9917



80.7952, 68.9080, 275.0665

Square

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



37.2916, 68.9080, 17.9917



40.0107, 68.9080, 218.4421



105.2115, 68.9080, 196.6377



99.9978, 68.9080, 14.0479

Rectangle

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



37.2916, 68.9080, 17.9917



30.3605, 68.9080, 95.6641



105.2115, 68.9080, 196.6377



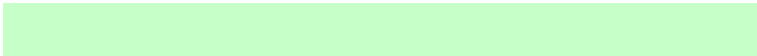
120.7137, 68.9080, 57.5977

Sweetspot

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



37.2932, 68.9109, 17.9933



69.8037, 87.8552, 68.4029



71.2739, 86.4512, 18.5604



14.3928, 18.5411, 13.7572



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.



37.2932, 68.9109, 17.9933



36.7852, 72.0031, 14.0200



42.7663, 71.1001, 46.8141



17.0410, 19.3187, 18.4164



18.1678, 36.2801, 6.2270



1.6907, 3.3634, 0.6191

Inverse Universe

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



56.8679, 30.6242, 86.9171



58.6626, 29.1059, 90.9727



46.5526, 26.4981, 32.5973



17.9664, 17.5139, 21.6788



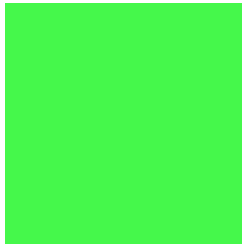
29.3936, 14.1732, 45.6425



2.7300, 1.3157, 4.2677

Previews

White Background



This preview shows how the XYZ color 37.2916, 68.9080, 17.9917 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 37.2916, 68.9080, 17.9917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

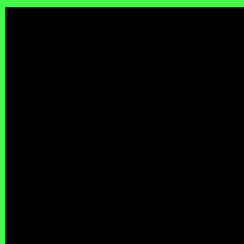
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2916, 68.9080, 17.9917

Background



This preview shows how black text looks on a background with the XYZ color 37.2916, 68.9080, 17.9917.

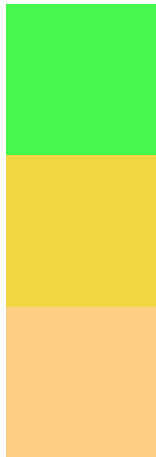


This preview shows how white text looks on a background with the XYZ color 37.2916, 68.9080,

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

37.2916, 68.9080, 17.9917

Protanopia

61.2190, 67.5195, 14.9602

Deuteranopia

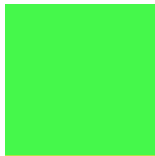
67.5449, 67.0961, 31.5811



Tritanopia

53.7197, 68.5373, 100.8402

Trichromacy



Original Color

37.2916, 68.9080, 17.9917



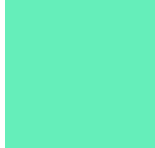
Protanomaly

46.9034, 64.8328, 15.6721



Deuteranomaly

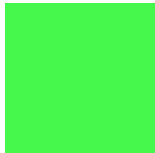
49.2746, 63.4476, 24.9788



Tritanomaly

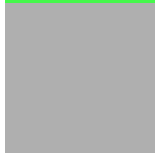
44.8043, 67.4609, 57.1142

Monochromacy



Original Color

37.2916, 68.9080, 17.9917



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.9341, 49.3394, 32.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2916, 68.9080, 17.9917 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(69, 248, 75)` looks like.

```
.text, #text, p{  
    color:rgb(69, 248, 75)  
}
```

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(69, 248, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 248, 75) }
```

Border

The CSS property to change the border of an element to XYZ 37.2916, 68.9080, 17.9917 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(69, 248, 75) }
```


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

```
.border{ border-color:rgb(69, 248, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 248, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 248, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 248, 75);  
box-shadow:4px 4px 4px 4px rgb(69, 248,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2916, 68.9080, 17.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 248, 75) }
```

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

```
.background{ background-color: rgb(69, 248,  
75) }
```

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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