

Converting Colors

XYZ(37.2488, 64.5645, 17.3781)

Have a look what the booklet for
XYZ(37.2488, 64.5645, 17.3781)
contains.

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Color

**XYZ(37.1346, 64.3802,
17.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	64EE4C
RGB	100, 238, 76
RGB Percent	39%, 93%, 30%
CMY	0.6078, 0.0666, 0.7019
CMYK	0.58, 0.00, 0.68, 0.07
HSL	111°, 83%, 62%
HSV	111°, 68%, 93%
XYZ	37.1346, 64.3802, 17.3069
YIQ	178.2700, -30.2460, -79.6380

Conversions

Conversions Part 2

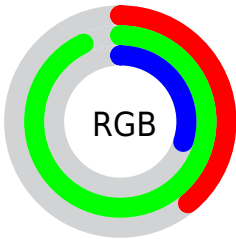
Format	Color
RYB	76, 238, 214
Decimal	6614604
CIELab	84.16, -66.21, 64.36
CIELCh	84, 92.337, 135.815
Yxy	64.3802, 0.3125, 0.5418
Android (android.graphics.Color)	4284804684 (0xFF64EE4C)
YUV	178.2700, -50.4191, -68.6428
Hunter-Lab	80.2373, -57.8037, 43.3774

Details

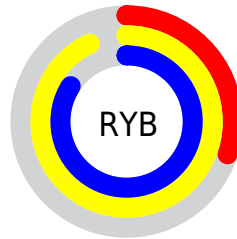
The XYZ color **37.1346, 64.3802, 17.3069** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **45.7524, 25.6405, 83.4301**, and the grayscale version is **42.7319, 44.9573, 48.9585**.

A 20% lighter version of the original color is **55.0291, 80.9725, 34.5587**, and **16.6240, 33.0994, 5.5126** is the 20% darker color. If you saturate the color by 10%, you get **34.4854, 63.0950, 13.6341**, and if you desaturate by 10%, it is **40.6507, 66.0808, 22.6197**.

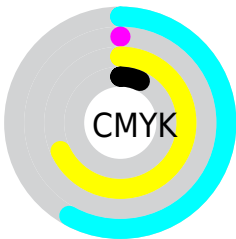
Distribution



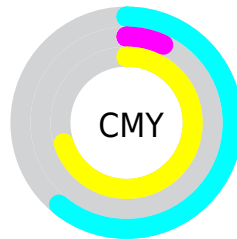
- Red (39%)
- Green (93%)
- Blue (30%)



- Red (30%)
- Yellow (93%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (68%)
- Black (7%)





- Cyan (61%)
- Magenta (7%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1346, 64.3802, 17.3069 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 37.1346, 64.3802, 17.3069 by changing the saturation by 10% instead.


 37.1346, 64.3802,
17.3069


 37.1346, 64.3802,
17.3069


325.2383,
440.5613, 249.0383


 25.4859, 46.9587,
10.2893


 70.0922, 111.1583,
39.6506


 16.5701, 33.0030,
5.4831


 92.1319, 141.2837,
55.8137


 10.0218, 22.1287,
2.4697


 118.3658,
176.4125, 75.8623

 5.4758, 13.9515,
0.8241

 149.1595,
216.9291, 100.2151

 2.5667, 8.0870,
0.0000

 184.8782,
263.2178, 129.2906

 0.9290, 4.1506,
0.0000

225.8874,

 0.0000, 1.7582,

315.6632, 163.5073

0.0000

272.5523,
374.6496, 203.2837

■ 0.0000, 0.4609,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1346, 64.3802,
17.3069

■ 37.1346, 64.3802,
17.3069

■ 34.4854, 63.0950,
13.6341

■ 40.6507, 66.0808,
22.6197

■ 32.6208, 62.1811,
11.4070

■ 45.0974, 68.2204,
29.7295

■ 31.4444, 61.5965,
10.3642

■ 50.5372, 70.8301,
38.7794

■ 31.2776, 61.5134,
10.2248

■ 57.0261, 73.9358,
49.8972

64.6157, 77.5619,
63.1996

73.3543, 81.7307,
78.7949

83.2872, 86.4634,
96.7838

89.8658, 89.6317,
107.1719

Harmonies

Analogous

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



51.1031, 64.3802, 8.0249



37.1346, 64.3802, 17.3069



30.4743, 64.3802, 45.9972

Triad

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



37.1346, 64.3802, 17.3069



52.0656, 64.3802, 245.3865



107.2731, 64.3802, 43.7039

Complementary

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



37.1346, 64.3802, 17.3069



45.7524, 25.6405, 83.4301

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.



107.6938, 64.3802, 101.4218



37.1346, 64.3802, 17.3069



72.5271, 64.3802, 243.4833

Square

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



37.1346, 64.3802, 17.3069



37.7034, 64.3802, 185.5959



93.8840, 64.3802, 181.3019



92.8376, 64.3802, 16.4321

Rectangle

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



37.1346, 64.3802, 17.3069



29.8534, 64.3802, 82.1191



93.8840, 64.3802, 181.3019



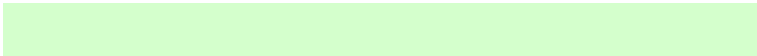
109.1509, 64.3802, 59.3133

Sweetspot

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



37.1361, 64.3829, 17.3083



73.6821, 89.8105, 70.5784



60.5380, 66.6435, 16.5113



15.2225, 18.9612, 14.1424



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.



37.1361, 64.3829, 17.3083



39.3014, 73.2889, 14.6492



37.7700, 64.3737, 32.5183



15.7838, 17.7687, 16.7475



17.5147, 34.3507, 5.7072



1.5230, 2.8917, 0.4779

Inverse Universe

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



45.7524, 25.6405, 83.4301



49.7723, 25.0180, 96.8134



46.2180, 26.6963, 46.5972



16.2108, 15.9059, 19.9374



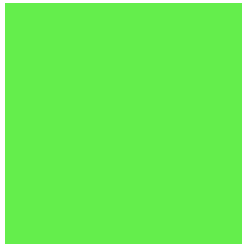
22.3987, 10.5524, 45.9841



1.9253, 0.9098, 3.8283

Previews

White Background



This preview shows how the XYZ color 37.1346, 64.3802, 17.3069 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 37.1346, 64.3802, 17.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

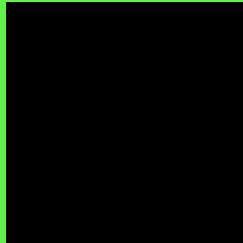
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1346, 64.3802, 17.3069

Background



This preview shows how black text looks on a background with the XYZ color 37.1346, 64.3802, 17.3069.

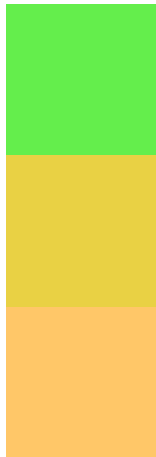


This preview shows how white text looks on a background with the XYZ color 37.1346, 64.3802,

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

37.1346, 64.3802, 17.3069

Protanopia

57.4481, 63.3419, 14.6672

Deuteranopia

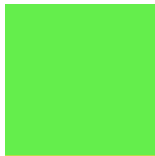
64.1621, 63.1063, 21.8957



Tritanopia

51.8411, 63.6847, 91.9981

Trichromacy



Original Color

37.1346, 64.3802, 17.3069



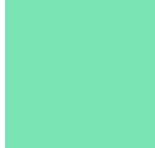
Protanomaly

46.7381, 61.9556, 15.4565



Deuteranomaly

49.3678, 60.5388, 19.6729



Tritanomaly

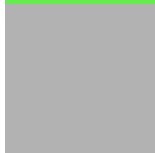
44.0077, 62.9197, 53.0053

Monochromacy



Original Color

37.1346, 64.3802, 17.3069



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.0397, 49.7157, 32.7905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1346, 64.3802, 17.3069 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(100, 238, 76)` looks like.

```
.text, #text, p{  
    color:rgb(100, 238, 76)  
}
```

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(100, 238, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 238, 76) }
```

Border

The CSS property to change the border of an element to XYZ 37.1346, 64.3802, 17.3069 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(100, 238, 76) }
```


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

```
.border{ border-color:rgb(100, 238, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 238, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 238, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 238, 76);  
box-shadow:4px 4px 4px 4px rgb(100, 238,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1346, 64.3802, 17.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 238, 76) }
```

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

```
.background{ background-color: rgb(100,  
238, 76) }
```

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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