

Converting Colors

XYZ(36.3446, 64.5419, 11.3423)

Have a look what the booklet for
XYZ(36.3446, 64.5419, 11.3423)
contains.

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Color

**XYZ(36.3880, 64.5616,
11.3544)**

Conversions

Conversions Part 1

Format	Color
Hex	65EF17
RGB	101, 239, 23
RGB Percent	40%, 94%, 9%
CMY	0.6039, 0.0627, 0.9097
CMYK	0.58, 0.00, 0.90, 0.06
HSL	98°, 87%, 51%
HSV	98°, 90%, 94%
XYZ	36.3880, 64.5616, 11.3544
YIQ	173.1140, -12.9120, -96.4320

Conversions

Conversions Part 2

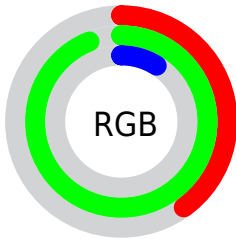
Format	Color
RYB	23, 239, 161
Decimal	6680343
CIELab	84.26, -69.09, 78.72
CIELCh	84, 104.735, 131.271
Yxy	64.5616, 0.3240, 0.5749
Android (android.graphics.Color)	4284870423 (0xFF65EF17)
YUV	173.1140, -74.0062, -63.2440
Hunter-Lab	80.3502, -59.7761, 47.8668

Details

The XYZ color **36.3880, 64.5616, 11.3544** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **30.5901, 14.4253, 82.8370**, and the grayscale version is **40.1519, 42.2429, 46.0025**.

A 20% lighter version of the original color is **53.3884, 80.3639, 23.7642**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **34.7325, 63.7280, 10.4702**, and if you desaturate by 10%, it is **38.6179, 65.6719, 13.3213**.

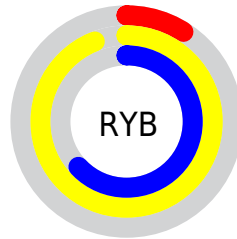
Distribution



Red (40%)

Green (94%)

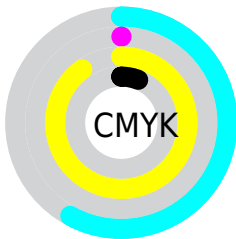
Blue (9%)



Red (9%)

Yellow (94%)

Blue (63%)

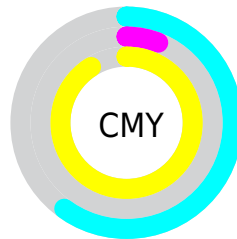


Cyan (58%)

Magenta (0%)

Yellow (90%)

Black (6%)



Cyan (60%)

Magenta (6%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3880, 64.5616, 11.3544 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 36.3880, 64.5616, 11.3544 by changing the saturation by 10% instead.

36.3880, 64.5616,
11.3544

36.3880, 64.5616,
11.3544

322.0550,
441.2149, 210.9070

24.9055, 47.1057,
6.1886

68.9505, 111.4193,
28.9603

16.1350, 33.1192,
2.8894

90.7612, 141.5900,
42.2374

9.7112, 22.2178,
1.0385

116.7453,
176.7676, 59.0554

5.2687, 14.0170,
0.0000

147.2682,
217.3366, 79.8328

2.4421, 8.1325,
0.0000

182.6953,
263.6815, 104.9881

0.8662, 4.1798,
0.0000

223.3919,

0.0000, 1.7747,

316.1866, 134.9399

0.0000

269.7233,
375.2362, 170.1067

■ 0.0000, 0.4713,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3880, 64.5616,
11.3544

■ 36.3880, 64.5616,
11.3544

■ 34.7325, 63.7280,
10.4702

■ 38.6179, 65.6719,
13.3213

■ 41.4437, 67.0570,
16.6899

■ 44.9199, 68.7427,
21.6610

■ 49.0924, 70.7488,
28.4019

■ 54.0022, 73.0934,
37.0589

■ 59.6870, 75.7929,
47.7631

■ 66.1813, 78.8627,
60.6337

■ 73.5177, 82.3171,
75.7813

■ 81.7267, 86.1696,
93.3085

Harmonies

Analogous

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



53.0504, 64.5616, 4.6968



36.3880, 64.5616, 11.3544



28.0661, 64.5616, 36.7316

Triad

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



36.3880, 64.5616, 11.3544



48.1234, 64.5616, 274.0314



116.3448, 64.5616, 48.1637

Complementary

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



36.3880, 64.5616, 11.3544



30.5901, 14.4253, 82.8370

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.



114.0587, 64.5616, 119.8269



36.3880, 64.5616, 11.3544



70.5035, 64.5616, 284.8266

Square

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



36.3880, 64.5616, 11.3544



33.5673, 64.5616, 192.7556



95.7495, 64.5616, 216.7118



101.3776, 64.5616, 15.2095

Rectangle

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



36.3880, 64.5616, 11.3544



26.6931, 64.5616, 73.1682



95.7495, 64.5616, 216.7118



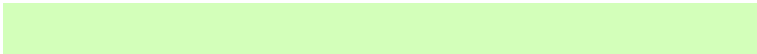
117.6509, 64.5616, 67.5012

Sweetspot

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



36.3895, 64.5643, 11.3558



71.5052, 88.9216, 59.9329



48.2909, 43.4892, 6.6606



14.7774, 18.7831, 11.7993



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.



36.3895, 64.5643, 11.3558



40.1803, 73.7988, 12.1269



31.8373, 62.1644, 13.5481



16.1046, 17.9341, 16.7625



19.3237, 35.2833, 5.7919



1.7127, 2.9895, 0.4868

Inverse Universe

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



30.5901, 14.4253, 82.8370



33.1406, 14.9995, 95.7562



47.5635, 23.6285, 63.1616



15.8686, 15.7295, 19.9213



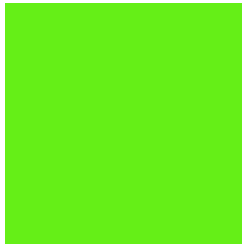
15.9879, 7.2475, 45.6841



1.4384, 0.6588, 3.8056

Previews

White Background



This preview shows how the XYZ color 36.3880, 64.5616, 11.3544 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 36.3880, 64.5616, 11.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

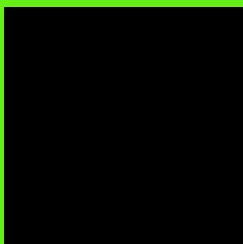
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

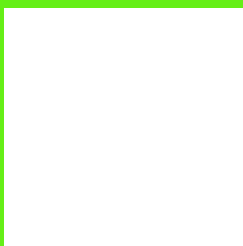
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3880, 64.5616, 11.3544

Background



This preview shows how black text looks on a background with the XYZ color 36.3880, 64.5616, 11.3544.



This preview shows how white text looks on a background with the XYZ color 36.3880, 64.5616,

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

36.3880, 64.5616, 11.3544

Protanopia

57.0778, 63.2697, 9.2901

Deuteranopia

63.8680, 62.9887, 20.3471



Tritanopia

52.3307, 63.9371, 92.0211

Trichromacy



Original Color

36.3880, 64.5616, 11.3544



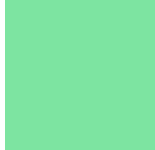
Protanomaly

45.8977, 61.6474, 9.7672



Deuteranomaly

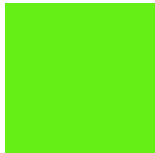
48.7371, 60.6902, 15.1069



Tritanomaly

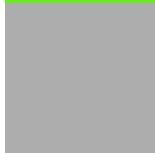
42.6339, 62.4200, 43.5194

Monochromacy



Original Color

36.3880, 64.5616, 11.3544



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.2689, 47.4436, 24.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3880, 64.5616, 11.3544 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(101, 239, 23)` looks like.

```
.text, #text, p{  
    color:rgb(101, 239, 23)  
}
```

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(101, 239, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 239, 23) }
```

Border

The CSS property to change the border of an element to XYZ 36.3880, 64.5616, 11.3544 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(101, 239, 23) }
```


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

```
.border{ border-color:rgb(101, 239, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 239, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 239, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 239, 23);  
box-shadow:4px 4px 4px 4px rgb(101, 239,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3880, 64.5616, 11.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 239, 23) }
```

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

```
.background{ background-color: rgb(101,  
239, 23) }
```

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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