

Converting Colors

XYZ(37.3444, 65.5083, 10.6761)

Have a look what the booklet for
XYZ(37.3444, 65.5083, 10.6761)
contains.

XYZ(37.3444, 65.5083, 10.6761)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3444, 65.5083,
10.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF000
RGB	108, 240, 0
RGB Percent	42%, 94%, 0%
CMY	0.5765, 0.0588, 0.9999
CMYK	0.55, 0.00, 1.00, 0.06
HSL	93°, 100%, 47%
HSV	93°, 100%, 94%
XYZ	37.3444, 65.5083, 10.6761
YIQ	173.1720, -1.6320, -102.6240

Conversions

Conversions Part 2

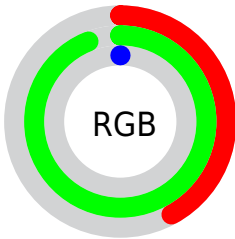
Format	Color
RYB	0, 240, 132
Decimal	7139328
CIELab	84.74, -68.03, 81.47
CIELCh	85, 106.144, 129.863
Yxy	65.5083, 0.3289, 0.5770
Android (android.graphics.Color)	4285329408 (0xFF6CF000)
YUV	173.1720, -85.3738, -57.1558
Hunter-Lab	80.9372, -59.2802, 48.8353

Details

The XYZ color **37.3444, 65.5083, 10.6761** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **25.2511, 11.2010, 83.2728**, and the grayscale version is **40.2348, 42.3302, 46.0975**.

A 20% lighter version of the original color is **54.6187, 81.0288, 22.4343**, and **17.3344, 34.0736, 5.6633** is the 20% darker color. If you saturate the color by 10%, you get **37.3435, 65.5099, 10.6765**, and if you desaturate by 10%, it is **39.2402, 66.4685, 11.6276**.

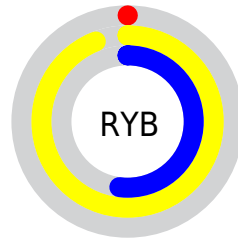
Distribution



Red (42%)

Green (94%)

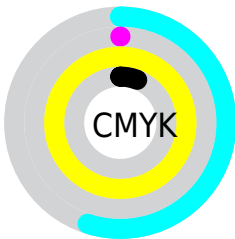
Blue (0%)



Red (0%)

Yellow (94%)

Blue (52%)

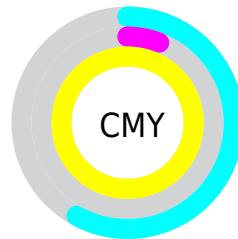


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (58%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3444, 65.5083, 10.6761 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 37.3444, 65.5083, 10.6761 by changing the saturation by 10% instead.


 37.3444, 65.5083,
10.6761


 37.3444, 65.5083,
10.6761


326.1289,
444.6163, 206.0887


 25.6492, 47.8734,
5.7381


 70.4126, 112.7803,
27.6871

 16.6927, 33.7266,
2.6203


 92.5162, 143.1862,
40.5971


 10.1095, 22.6837,
0.9029


 118.8200,
178.6178, 57.0015

 5.5345, 14.3601,
0.0000

 149.6893,
219.4596, 77.3189

 2.6021, 8.3715,
0.0000

 185.4895,
266.0960, 101.9678

 0.9470, 4.3336,
0.0000

 226.5859,

 0.0000, 1.8619,

318.9113, 131.3667

0.0000

273.3439,
378.2899, 165.9342

■ 0.0000, 0.5253,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3444, 65.5083,
10.6761

■ 37.3444, 65.5083,
10.6761

■ 37.3435, 65.5099,
10.6765

■ 39.2402, 66.4685,
11.6276

■ 41.5917, 67.6382,
13.6634

■ 44.4740, 69.0505,
17.1210

■ 47.9339, 70.7253,
22.1999

■ 52.0119, 72.6798,
29.0681

■ 56.7441, 74.9294,
37.8723

■ 62.1635, 77.4882,
48.7443

■ 68.3004, 80.3692,
61.8040

■ 75.1831, 83.5845,
77.1624

Harmonies

Analogous

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



54.7655, 65.5083, 4.4951



37.3444, 65.5083, 10.6761



28.4818, 65.5083, 35.1176

Triad

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



37.3444, 65.5083, 10.6761



47.8310, 65.5083, 278.0010



118.9491, 65.5083, 51.1912

Complementary

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



37.3444, 65.5083, 10.6761



25.2511, 11.2010, 83.2728

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.



115.7208, 65.5083, 126.4774



37.3444, 65.5083, 10.6761



70.4168, 65.5083, 293.2814

Square

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



37.3444, 65.5083, 10.6761



33.3819, 65.5083, 192.2528



96.3528, 65.5083, 226.1350



104.2961, 65.5083, 16.0567

Rectangle

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



37.3444, 65.5083, 10.6761



26.8569, 65.5083, 71.0159



96.3528, 65.5083, 226.1350



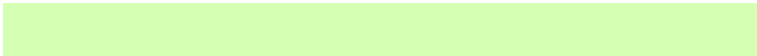
119.9909, 65.5083, 71.6398

Sweetspot

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



37.3459, 65.5111, 10.6775



71.2630, 88.8884, 55.7844



44.1906, 35.0335, 4.4340



14.6699, 18.7508, 10.7492



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.



37.3459, 65.5111, 10.6775



42.7944, 75.1464, 12.2492



31.2284, 62.3498, 10.7377



16.2412, 18.0045, 16.7689



20.5899, 35.9360, 5.8512



1.8259, 3.0478, 0.4920

Inverse Universe

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



25.2511, 11.2010, 83.2728



28.9112, 12.8192, 95.5583



49.9416, 24.1286, 75.4283



15.7285, 15.6573, 19.9148



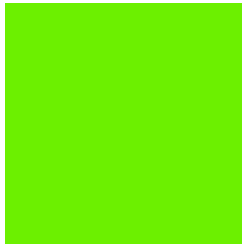
13.9763, 6.2104, 45.5900



1.2771, 0.5756, 3.7980

Previews

White Background



This preview shows how the XYZ color 37.3444, 65.5083, 10.6761 looks on a white background.

Color Contrast Check

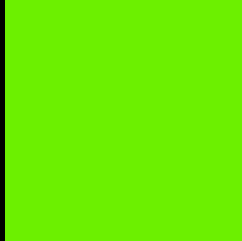
Large Text (above 18pt) WCAG AA × Fail

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 37.3444, 65.5083, 10.6761 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 37.3444, 65.5083, 10.6761

Background



This preview shows how black text looks on a background with the XYZ color 37.3444, 65.5083, 10.6761.



This preview shows how white text looks on a background with the XYZ color 37.3444, 65.5083,

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

37.3444, 65.5083, 10.6761

Protanopia

57.9716, 64.0977, 9.3167

Deuteranopia

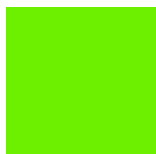
64.7282, 64.0739, 22.5916



Tritanopia

53.5926, 64.9659, 92.9341

Trichromacy



Original Color

37.3444, 65.5083, 10.6761



Protanomaly

47.0917, 62.6601, 9.6126



Deuteranomaly

49.6707, 61.5627, 14.5751



Tritanomaly

42.9750, 63.0844, 40.0485

Monochromacy



Original Color

37.3444, 65.5083, 10.6761



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.1752, 47.4479, 22.0563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3444, 65.5083, 10.6761 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(108, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 240, 0)  
}
```

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(108, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 240, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.3444, 65.5083, 10.6761 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(108, 240, 0) }
```


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

```
.border{ border-color:rgb(108, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 240,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3444, 65.5083, 10.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 240, 0) }
```

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

```
.background{ background-color: rgb(108,  
240, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor