

Converting Colors

$Y_{xy}(65.2767, 0.3286, 0.5773)$

Have a look what the booklet for
Yxy(65.2767, 0.3286, 0.5773)
contains.

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Color

Yxy(65.4460, 0.3284, 0.5774)

Conversions

Conversions Part 1

Format	Color
Hex	6BF000
RGB	107, 240, 0
RGB Percent	42%, 94%, 0%
CMY	0.5805, 0.0588, 0.9990
CMYK	0.55, 0.00, 1.00, 0.06
HSL	93°, 100%, 47%
HSV	93°, 100%, 94%
XYZ	37.2228, 65.4460, 10.6772
YIQ	172.8730, -2.2280, -102.8360

Conversions

Conversions Part 2

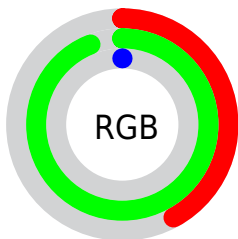
Format	Color
RYB	0, 240, 133
Decimal	7073792
CIELab	84.71, -68.29, 81.42
CIELCh	85, 106.266, 129.991
Yxy	65.4460, 0.3284, 0.5774
Android (android.graphics.Color)	4285263872 (0xFF6BF000)
YUV	172.8730, -85.2264, -57.7706
Hunter-Lab	80.8987, -59.4419, 48.8039

Details

The Yxy color **65.4460, 0.3284, 0.5774** 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 **11.3078, 0.2120, 0.0942**, and the grayscale version is **42.1795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9161, 0.3449, 0.5130**, and **34.0375, 0.3031, 0.5975** is the 20% darker color. If you saturate the color by 10%, you get **65.4390, 0.3283, 0.5775**, and if you desaturate by 10%, it is **66.4051, 0.3339, 0.5668**.

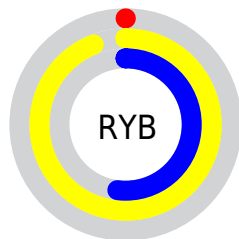
Distribution



Red (42%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (52%)

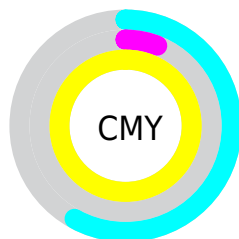


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (58%)


Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4460, 0.3284, 0.5774 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 Yxy color 65.4460, 0.3284, 0.5774 by changing the saturation by 10% instead.

 65.4460, 0.3284,
0.5774


 65.4460, 0.3284,
0.5774


444.3930, 0.3336,
0.4553


 47.8228, 0.3230,
0.6045

 112.6908, 0.3335,
0.5351


 33.6866, 0.3140,
0.6364


 143.0813, 0.3344,
0.5185

 22.6529, 0.2992,
0.6739


 178.4962, 0.3349,
0.5041

 14.3374, 0.2773,
0.7227

 219.3201, 0.3349,
0.4917

 8.3557, 0.2360,
0.7640

 265.9374, 0.3348,
0.4809

 4.3234, 0.1781,
0.8219

 318.7323, 0.3344,

 1.8561, 0.0000,

0.4713

1.0000

378.0894, 0.3340,
0.4628

■ 0.5218, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4460, 0.3284,
0.5774

■ 65.4460, 0.3284,
0.5774

■ 65.4390, 0.3283,
0.5775

■ 66.4051, 0.3339,
0.5668

■ 67.5760, 0.3379,
0.5506

■ 68.9918, 0.3399,
0.5286

■ 70.6725, 0.3398,
0.5021

■ 72.6353, 0.3378,
0.4726

■ 74.8958, 0.3343,
0.4418

■ 77.4681, 0.3297,
0.4111

■ 80.3654, 0.3243,
0.3816

■ 83.6000, 0.3185,
0.3540

Harmonies

Analogous

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



65.4460, 0.4386, 0.5256



65.4460, 0.3284, 0.5774



65.4460, 0.2200, 0.5071

Triad

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



65.4460, 0.3284, 0.5774



65.4460, 0.1221, 0.1671



65.4460, 0.5055, 0.2782

Complementary

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



65.4460, 0.3284, 0.5774



11.3078, 0.2120, 0.0942

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.



65.4460, 0.3767, 0.2130



65.4460, 0.3284, 0.5774



65.4460, 0.1642, 0.1525

Square

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



65.4460, 0.3284, 0.5774



65.4460, 0.1144, 0.2245



65.4460, 0.2487, 0.1688



65.4460, 0.5615, 0.3527

Rectangle

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



65.4460, 0.3284, 0.5774



65.4460, 0.1639, 0.4003



65.4460, 0.2487, 0.1688



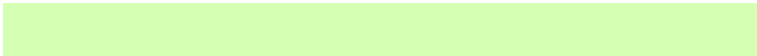
65.4460, 0.4674, 0.2549

Sweetspot

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



65.4488, 0.3284, 0.5774



88.8337, 0.3298, 0.4117



35.0630, 0.5281, 0.4188



18.7379, 0.3319, 0.4246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4488, 0.3284, 0.5774



75.0644, 0.3281, 0.5777



62.3525, 0.2994, 0.5976



18.0007, 0.3183, 0.3529



35.8965, 0.3295, 0.5766



3.0444, 0.3397, 0.5685

Inverse Universe

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



11.3078, 0.2120, 0.0942



12.9261, 0.2116, 0.0939



24.1346, 0.3340, 0.1614



15.6612, 0.3067, 0.3052



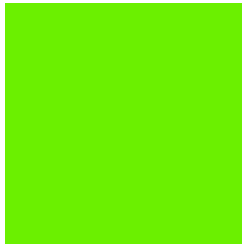
6.2614, 0.2135, 0.0950



0.5798, 0.2269, 0.1024

Previews

White Background



This preview shows how the Yxy color 65.4460, 0.3284, 0.5774 looks on a white background.

Color Contrast Check

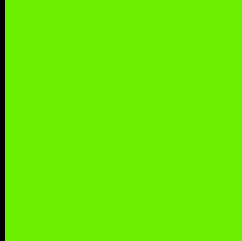
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 65.4460, 0.3284, 0.5774 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

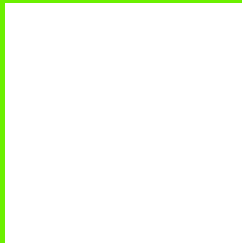
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4460, 0.3284, 0.5774

Background



This preview shows how black text looks on a background with the Yxy color 65.4460, 0.3284, 0.5774.



This preview shows how white text looks on a background with the Yxy color 65.4460, 0.3284, 0.5774.

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

65.4460, 0.3284, 0.5774

Protanopia

64.0977, 0.4412, 0.4879

Deuteranopia

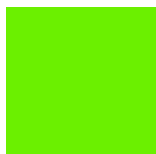
64.0532, 0.4282, 0.4241



Tritanopia

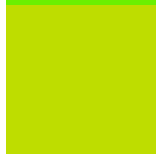
64.9659, 0.2534, 0.3072

Trichromacy



Original Color

65.4460, 0.3284, 0.5774



Protanomaly

62.6601, 0.3945, 0.5249



Deuteranomaly

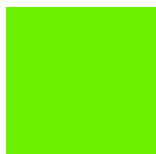
61.4236, 0.3940, 0.4899



Tritanomaly

63.0844, 0.2941, 0.4318

Monochromacy



Original Color

65.4460, 0.3284, 0.5774



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

47.4479, 0.3360, 0.4533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4460, 0.3284, 0.5774 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(107, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 65.4460, 0.3284, 0.5774 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(107, 240, 0) }
```

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

```
.border{ border-color:rgb(107, 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(107, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4460, 0.3284, 0.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 240, 0) }
```

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

```
.background{ background-color: rgb(107,  
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](#).

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