

Converting Colors

Yxy(67.4159, 0.3304, 0.5709)

Have a look what the booklet for
Yxy(67.4159, 0.3304, 0.5709)
contains.

Yxy(67.2032, 0.3307, 0.5705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.2032, 0.3307, 0.5705)

Conversions

Conversions Part 1

Format	Color
Hex	73F215
RGB	115, 242, 21
RGB Percent	45%, 95%, 8%
CMY	0.5492, 0.0509, 0.9167
CMYK	0.52, 0.00, 0.91, 0.05
HSL	95°, 89%, 52%
HSV	95°, 91%, 95%
XYZ	38.9555, 67.2032, 11.6383
YIQ	178.8330, -4.7510, -95.6550

Conversions

Conversions Part 2

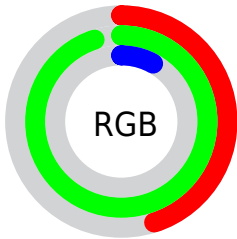
Format	Color
R _Y B	21, 242, 148
Decimal	7598613
CIE Lab	85.61, -66.55, 80.27
CIE LCh	86, 104.271, 129.664
Yxy	67.2032, 0.3307, 0.5705
Android (android.graphics.Color)	4285788693 (0xFF73F215)
YUV	178.8330, -77.8117, -55.9815
Hunter-Lab	81.9776, -58.6381, 48.9669

Details

The Yxy color **67.2032, 0.3307, 0.5705** 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 **13.2787, 0.2251, 0.1046**, and the grayscale version is **45.4205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8295, 0.3472, 0.5053**, and **35.1490, 0.3079, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **66.3771, 0.3258, 0.5795**, and if you desaturate by 10%, it is **68.3600, 0.3351, 0.5550**.

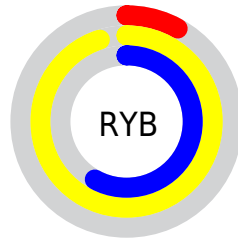
Distribution



Red (45%)

Green (95%)

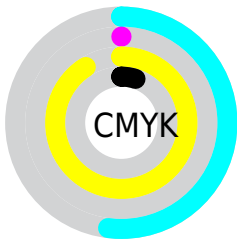
Blue (8%)



Red (8%)

Yellow (95%)

Blue (58%)

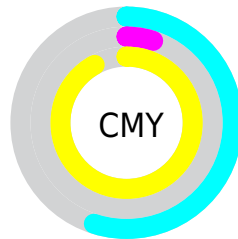


Cyan (52%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (55%)


Magenta (5%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2032, 0.3307, 0.5705 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 67.2032, 0.3307, 0.5705 by changing the saturation by 10% instead.


 67.2032, 0.3307,
0.5705

 67.2032, 0.3307,
0.5705


450.6677, 0.3341,
0.4523

 49.2498, 0.3260,
0.5967


 115.2115, 0.3349,
0.5295

 34.8177, 0.3180,
0.6278


 146.0352, 0.3356,
0.5135

 23.5225, 0.3047,
0.6643


 181.9178, 0.3359,
0.4996

 14.9798, 0.2857,
0.7143

 223.2437, 0.3358,
0.4876

 8.8052, 0.2465,
0.7535

 270.3972, 0.3355,
0.4771

 4.6143, 0.1912,
0.8088

 323.7628, 0.3351,

 2.0228, 0.0085,

0.4678

0.9915

383.7248, 0.3346,
0.4596

■ 0.6207, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2032, 0.3307,
0.5705

■ 67.2032, 0.3307,
0.5705


■ 66.3771, 0.3258,
0.5795


■ 68.3600, 0.3351,
0.5550


■ 69.7696, 0.3375,
0.5335

■ 71.4562, 0.3380,
0.5071


■ 73.4385, 0.3365,
0.4775

 75.7330, 0.3335,
0.4465

 78.3550, 0.3293,
0.4155

 81.3185, 0.3243,
0.3856

 84.6365, 0.3189,
0.3576

 88.3216, 0.3134,
0.3320

Harmonies

Analogous

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



67.2032, 0.4385, 0.5214



67.2032, 0.3307, 0.5705



67.2032, 0.2240, 0.5028

Triad

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



67.2032, 0.3307, 0.5705



67.2032, 0.1253, 0.1709



67.2032, 0.4993, 0.2791

Complementary

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



67.2032, 0.3307, 0.5705



13.2787, 0.2251, 0.1046

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.



67.2032, 0.3738, 0.2149



67.2032, 0.3307, 0.5705



67.2032, 0.1665, 0.1558

Square

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



67.2032, 0.3307, 0.5705



67.2032, 0.1183, 0.2284



67.2032, 0.2493, 0.1716



67.2032, 0.5556, 0.3528

Rectangle

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



67.2032, 0.3307, 0.5705



67.2032, 0.1683, 0.4003



67.2032, 0.2493, 0.1716



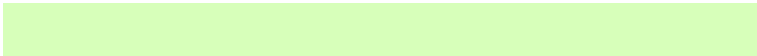
67.2032, 0.4620, 0.2561

Sweetspot

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



67.2061, 0.3307, 0.5705



89.5761, 0.3273, 0.4029



39.5964, 0.5087, 0.4278



18.9358, 0.3290, 0.4132



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.



67.2061, 0.3307, 0.5705



74.7242, 0.3256, 0.5797



63.7980, 0.2986, 0.5882



17.9843, 0.3180, 0.3530



35.7323, 0.3270, 0.5786



3.0300, 0.3372, 0.5704

Inverse Universe

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



13.2787, 0.2251, 0.1046



13.3995, 0.2160, 0.0964



24.9857, 0.3368, 0.1657



15.6778, 0.3070, 0.3052



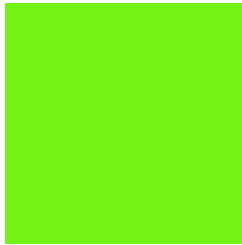
6.4871, 0.2179, 0.0974



0.5981, 0.2309, 0.1046

Previews

White Background



This preview shows how the Yxy color 67.2032, 0.3307, 0.5705 looks on a white background.

Color Contrast Check

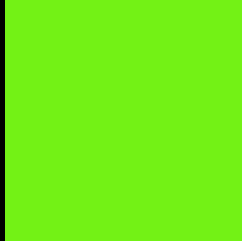
Large Text (above 18pt) WCAG AA × Fail

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 67.2032, 0.3307, 0.5705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

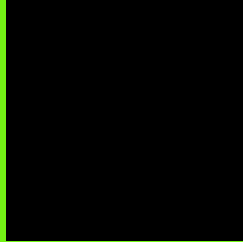
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

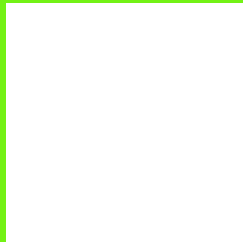
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2032, 0.3307, 0.5705

Background



This preview shows how black text looks on a background with the Yxy color 67.2032, 0.3307, 0.5705.



This preview shows how white text looks on a background with the Yxy color 67.2032, 0.3307, 0.5705.

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

67.2032, 0.3307, 0.5705

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

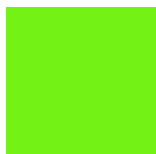
65.7776, 0.4172, 0.4147



Tritanopia

66.7111, 0.2558, 0.3075

Trichromacy



Original Color

67.2032, 0.3307, 0.5705



Protanomaly

64.9309, 0.3958, 0.5224



Deuteranomaly

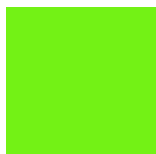
63.6047, 0.3878, 0.4786



Tritanomaly

65.0788, 0.2933, 0.4203

Monochromacy



Original Color

67.2032, 0.3307, 0.5705



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.7141, 0.3327, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2032, 0.3307, 0.5705 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(115, 242, 21)` looks like.

```
.text, #text, p{  
    color:rgb(115, 242, 21)  
}
```

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(115, 242, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 242, 21) }
```

Border

The CSS property to change the border of an element to Yxy 67.2032, 0.3307, 0.5705 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(115, 242, 21) }
```

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

```
.border{ border-color:rgb(115, 242, 21) }
```

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

Here you see how a box with a 4 pixel rgb(115, 242, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 242, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 242, 21);  
box-shadow:4px 4px 4px 4px rgb(115, 242,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2032, 0.3307, 0.5705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 242, 21) }
```

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

```
.background{ background-color: rgb(115,  
242, 21) }
```

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