

Converting Colors

Yxy(67.5565, 0.3213, 0.5429)

Have a look what the booklet for
Yxy(67.5565, 0.3213, 0.5429)
contains.

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Color

Yxy(67.6040, 0.3210, 0.5431)

Conversions

Conversions Part 1

Format	Color
Hex	73F247
RGB	115, 242, 71
RGB Percent	45%, 95%, 28%
CMY	0.5492, 0.0509, 0.7213
CMYK	0.52, 0.00, 0.71, 0.05
HSL	105°, 87%, 61%
HSV	105°, 71%, 95%
XYZ	39.9574, 67.6040, 16.9166
YIQ	184.5330, -20.8010, -80.1050

Conversions

Conversions Part 2

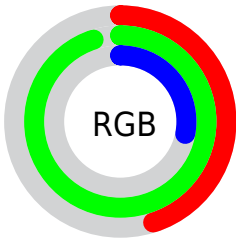
Format	Color
RYB	71, 242, 198
Decimal	7598663
CIELab	85.81, -64.27, 68.01
CIELCh	86, 93.573, 133.377
Yxy	67.6040, 0.3210, 0.5431
Android (android.graphics.Color)	4285788743 (0xFF73F247)
YUV	184.5330, -55.9718, -60.9804
Hunter-Lab	82.2217, -57.1419, 45.3566

Details

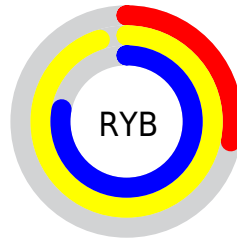
The Yxy color **67.6040, 0.3210, 0.5431** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **22.9514, 0.2759, 0.1522**, and the grayscale version is **48.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3086, 0.3324, 0.4754**, and **35.2334, 0.3093, 0.5926** is the 20% darker color. If you saturate the color by 10%, you get **66.2529, 0.3180, 0.5665**, and if you desaturate by 10%, it is **69.3224, 0.3227, 0.5143**.

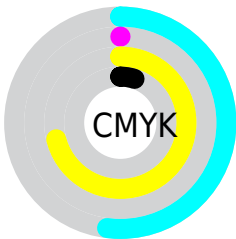
Distribution



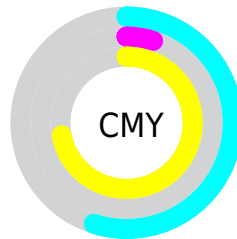
- Red (45%)
- Green (95%)
- Blue (28%)



- Red (28%)
- Yellow (95%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (71%)
- Black (5%)




- Cyan (55%)
- Magenta (5%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6040, 0.3210, 0.5431 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 67.6040, 0.3210, 0.5431 by changing the saturation by 10% instead.

 67.6040, 0.3210,
0.5431

 67.6040, 0.3210,
0.5431


452.0917, 0.3254,
0.4364


 49.5756, 0.3173,
0.5680


 115.7855, 0.3246,
0.5053


 35.0763, 0.3111,
0.5985


 146.7073, 0.3254,
0.4908


 23.7217, 0.3007,
0.6359


 182.6959, 0.3258,
0.4783

 15.1273, 0.2832,
0.6822

 224.1354, 0.3259,
0.4676

 8.9088, 0.2556,
0.7444

 271.4104, 0.3259,
0.4583

 4.6817, 0.2020,
0.7980

324.9051, 0.3258,

 2.0618, 0.0438,

0.4501

385.0041, 0.3256,
0.4429

0.9562

0.6430, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6040, 0.3210,
0.5431

67.6040, 0.3210,
0.5431

66.2529, 0.3180,
0.5665

69.3224, 0.3227,
0.5143


65.2310, 0.3139,
0.5830


71.4255, 0.3231,
0.4821


64.5371, 0.3097,
0.5923


73.9393, 0.3223,
0.4487

76.8853, 0.3207,
0.4159

 80.2833, 0.3184,
0.3848

 84.1517, 0.3158,
0.3563

 88.5081, 0.3129,
0.3305

 91.9889, 0.3133,
0.3166

Harmonies

Analogous

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



67.6040, 0.4214, 0.5160



67.6040, 0.3210, 0.5431



67.6040, 0.2236, 0.4669

Triad

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



67.6040, 0.3210, 0.5431



67.6040, 0.1420, 0.1804



67.6040, 0.4911, 0.2935

Complementary

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



67.6040, 0.3210, 0.5431



22.9514, 0.2759, 0.1522

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.



67.6040, 0.3837, 0.2311



67.6040, 0.3210, 0.5431



67.6040, 0.1858, 0.1692

Square

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



67.6040, 0.3210, 0.5431



67.6040, 0.1319, 0.2299



67.6040, 0.2682, 0.1873



67.6040, 0.5341, 0.3647

Rectangle

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



67.6040, 0.3210, 0.5431



67.6040, 0.1744, 0.3762



67.6040, 0.2682, 0.1873



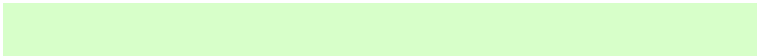
67.6040, 0.4602, 0.2714

Sweetspot

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



67.6069, 0.3210, 0.5431



90.2351, 0.3185, 0.3861



59.0074, 0.4399, 0.4507



19.0774, 0.3192, 0.3945



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.



67.6069, 0.3210, 0.5431



74.0355, 0.3163, 0.5750



65.9984, 0.2885, 0.5115



17.8524, 0.3154, 0.3531



34.7225, 0.3107, 0.5915



2.9347, 0.3198, 0.5843

Inverse Universe

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



22.9514, 0.2759, 0.1522



20.8136, 0.2657, 0.1304



27.6655, 0.3646, 0.2036



15.8153, 0.3097, 0.3054



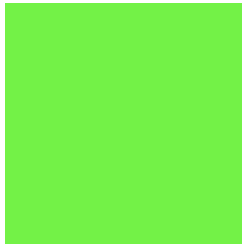
8.7176, 0.2568, 0.1188



0.7724, 0.2655, 0.1236

Previews

White Background



This preview shows how the Yxy color 67.6040, 0.3210, 0.5431 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 67.6040, 0.3210, 0.5431 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

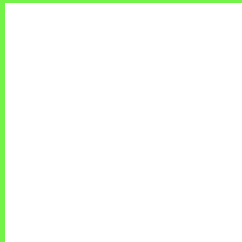
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6040, 0.3210, 0.5431

Background



This preview shows how black text looks on a background with the Yxy color 67.6040, 0.3210, 0.5431.



This preview shows how white text looks on a background with the Yxy color 67.6040, 0.3210, 0.5431.

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

67.6040, 0.3210, 0.5431

Protanopia

66.3094, 0.4275, 0.4700

Deuteranopia

66.4290, 0.4118, 0.4093



Tritanopia

67.1274, 0.2545, 0.3075

Trichromacy



Original Color

67.6040, 0.3210, 0.5431



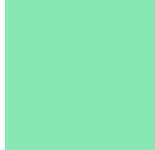
Protanomaly

65.1859, 0.3829, 0.5000



Deuteranomaly

64.0208, 0.3760, 0.4579



Tritanomaly

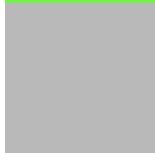
66.2003, 0.2819, 0.3955

Monochromacy



Original Color

67.6040, 0.3210, 0.5431



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.6298, 0.3206, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6040, 0.3210, 0.5431 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(115, 242, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 242, 71) }
```

Border

The CSS property to change the border of an element to Yxy 67.6040, 0.3210, 0.5431 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, 71) }
```

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

```
.border{ border-color:rgb(115, 242, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 242, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 242, 71);  
box-shadow:4px 4px 4px 4px rgb(115, 242,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6040, 0.3210, 0.5431 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, 71) }
```

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

```
.background{ background-color: rgb(115,  
242, 71) }
```

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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