

Converting Colors

Yxy(66.2384, 0.3065, 0.4935)

Have a look what the booklet for
Yxy(66.2384, 0.3065, 0.4935)
contains.

Yxy(66.2384, 0.3065, 0.4935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.2384, 0.3065, 0.4935)

Conversions

Conversions Part 1

Format	Color
Hex	76EE73
RGB	118, 238, 115
RGB Percent	46%, 93%, 45%
CMY	0.5373, 0.0666, 0.5489
CMYK	0.50, 0.00, 0.52, 0.07
HSL	119°, 78%, 69%
HSV	119°, 52%, 93%
XYZ	41.1389, 66.2384, 26.8443
YIQ	188.0980, -32.0370, -63.6930

Conversions

Conversions Part 2

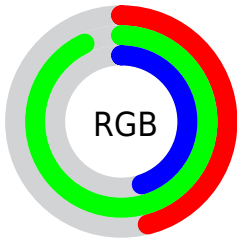
Format	Color
RYB	115, 238, 235
Decimal	7794291
CIELab	85.12, -57.64, 48.93
CIELCh	85, 75.606, 139.669
Yxy	66.2384, 0.3065, 0.4935
Android (android.graphics.Color)	4285984371 (0xFF76EE73)
YUV	188.0980, -36.0373, -61.4759
Hunter-Lab	81.3870, -52.2002, 37.4149

Details

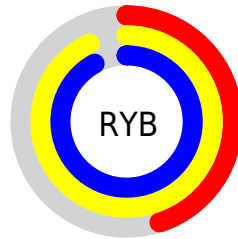
The Yxy color **66.2384, 0.3065, 0.4935** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.1136, 0.3157, 0.2042**, and the grayscale version is **50.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7317, 0.3127, 0.4288**, and **34.1798, 0.2990, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **64.3314, 0.3049, 0.5277**, and if you desaturate by 10%, it is **68.6928, 0.3080, 0.4576**.

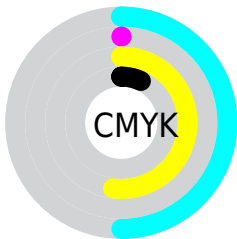
Distribution



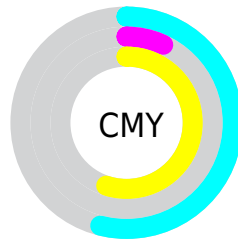
- Red (46%)
- Green (93%)
- Blue (45%)



- Red (45%)
- Yellow (93%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (52%)
- Black (7%)




- Cyan (54%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2384, 0.3065, 0.4935 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 66.2384, 0.3065, 0.4935 by changing the saturation by 10% instead.


 66.2384, 0.3065,
0.4935

 66.2384, 0.3065,
0.4935

447.2290, 0.3138,
0.4104

 48.4660, 0.3034,
0.5139

 113.8284, 0.3101,
0.4634

 34.1960, 0.2988,
0.5397

 144.4148, 0.3112,
0.4521

 23.0442, 0.2916,
0.5730


 180.0413, 0.3120,
0.4424

 14.6262, 0.2796,
0.6171

221.0923, 0.3125,
0.4342

 8.5575, 0.2590,
0.6768

267.9521, 0.3130,
0.4270

 4.4537, 0.2260,
0.7740


321.0053, 0.3133,

 1.9304, 0.0869,


0.4208


0.9131


380.6361, 0.3136,
0.4153


 0.5666, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 66.2384, 0.3065,
0.4935


 66.2384, 0.3065,
0.4935


 64.3314, 0.3049,
0.5277


 68.6928, 0.3080,
0.4576


 62.9224, 0.3033,
0.5574


 71.7230, 0.3095,
0.4223

 61.9672, 0.3019,
0.5801


 75.3654, 0.3107,
0.3893

 61.4101, 0.3009,
0.5940

 79.6512, 0.3117,
0.3595

 61.1896, 0.3004,
0.5997

 84.6091, 0.3126,
0.3331

 89.6328, 0.3135,
0.3127

Harmonies

Analogous

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



66.2384, 0.3930, 0.4953



66.2384, 0.3065, 0.4935



66.2384, 0.2263, 0.4173

Triad

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



66.2384, 0.3065, 0.4935



66.2384, 0.1720, 0.1990



66.2384, 0.4714, 0.3150

Complementary

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



66.2384, 0.3065, 0.4935



36.1136, 0.3157, 0.2042

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.



66.2384, 0.3922, 0.2572



66.2384, 0.3065, 0.4935



66.2384, 0.2180, 0.1935

Square

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



66.2384, 0.3065, 0.4935



66.2384, 0.1572, 0.2364



66.2384, 0.2956, 0.2143



66.2384, 0.4964, 0.3796

Rectangle

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



66.2384, 0.3065, 0.4935



66.2384, 0.1876, 0.3465



66.2384, 0.2956, 0.2143



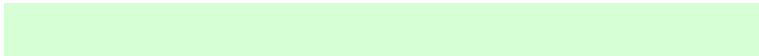
66.2384, 0.4497, 0.2946

Sweetspot

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



66.2412, 0.3065, 0.4935



90.8593, 0.3113, 0.3722



78.2095, 0.3900, 0.4502



19.2275, 0.3111, 0.3784



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.



66.2412, 0.3065, 0.4935



75.1300, 0.3048, 0.5295



67.7943, 0.2771, 0.4162



17.6744, 0.3119, 0.3534



34.1434, 0.3005, 0.5996



2.8467, 0.3019, 0.5985

Inverse Universe

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



36.1136, 0.3157, 0.2042



36.2993, 0.3159, 0.1844



33.7668, 0.3797, 0.2580



16.0110, 0.3134, 0.3057



13.0514, 0.3150, 0.1509



1.0918, 0.3158, 0.1513

Previews

White Background



This preview shows how the Yxy color 66.2384, 0.3065, 0.4935 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 66.2384, 0.3065, 0.4935 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 66.2384, 0.3065, 0.4935

Background



This preview shows how black text looks on a background with the Yxy color 66.2384, 0.3065, 0.4935.

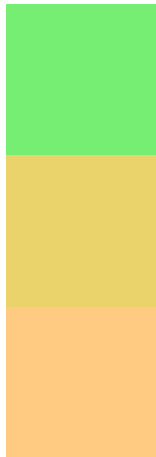


This preview shows how white text looks on a background with the Yxy color 66.2384, 0.3065, 0.4935.

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

66.2384, 0.3065, 0.4935

Protanopia

64.9528, 0.4034, 0.4404

Deuteranopia

65.0860, 0.4113, 0.4036



Tritanopia

65.7419, 0.2541, 0.3073

Trichromacy



Original Color

66.2384, 0.3065, 0.4935



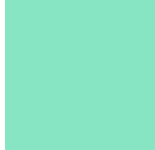
Protanomaly

63.8934, 0.3627, 0.4625



Deuteranomaly

63.0352, 0.3674, 0.4360



Tritanomaly

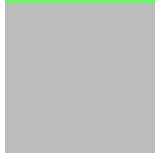
65.1750, 0.2735, 0.3715

Monochromacy



Original Color

66.2384, 0.3065, 0.4935



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.5024, 0.3114, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2384, 0.3065, 0.4935 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(118, 238, 115)` looks like.

```
.text, #text, p{  
    color:rgb(118, 238, 115)  
}
```

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(118, 238, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 238, 115) }
```

Border

The CSS property to change the border of an element to Yxy 66.2384, 0.3065, 0.4935 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(118, 238, 115) }
```

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

```
.border{ border-color:rgb(118, 238, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 238, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 238, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 238, 115);  
box-shadow:4px 4px 4px 4px rgb(118, 238,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2384, 0.3065, 0.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 238, 115) }
```

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

```
.background{ background-color: rgb(118,  
238, 115) }
```

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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