

Converting Colors

$Y_{xy}(76.0030, 0.3085, 0.5210)$

Have a look what the booklet for
Yxy(76.0030, 0.3085, 0.5210)
contains.

Yxy(75.9900, 0.3084, 0.5211)	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(75.9900, 0.3084, 0.5211)

Conversions

Conversions Part 1

Format	Color
Hex	71FF66
RGB	113, 255, 102
RGB Percent	44%, 100%, 40%
CMY	0.5567, 0.0000, 0.6000
CMYK	0.56, 0.00, 0.60, 0.00
HSL	116°, 100%, 70%
HSV	116°, 60%, 100%
XYZ	44.9728, 75.9900, 24.8634
YIQ	195.1000, -35.5190, -77.6870

Conversions

Conversions Part 2

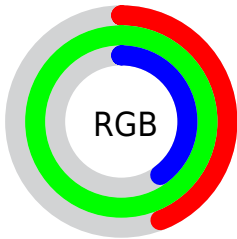
Format	Color
RYB	102, 255, 244
Decimal	7470950
CIELab	89.85, -66.65, 60.26
CIELCh	90, 89.856, 137.881
Yxy	75.9900, 0.3084, 0.5211
Android (android.graphics.Color)	4285661030 (0xFF71FF66)
YUV	195.1000, -45.8983, -72.0017
Hunter-Lab	87.1722, -60.4620, 44.1098

Details

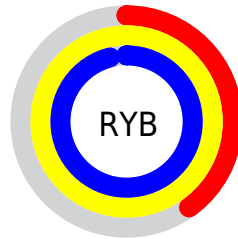
The Yxy color **75.9900, 0.3084, 0.5211** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **35.9417, 0.3091, 0.1849**, and the grayscale version is **54.9396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0683, 0.3177, 0.4433**, and **40.5340, 0.2993, 0.5712** is the 20% darker color. If you saturate the color by 10%, you get **74.1920, 0.3066, 0.5516**, and if you desaturate by 10%, it is **78.3588, 0.3099, 0.4867**.

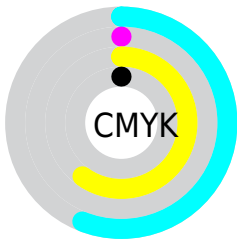
Distribution



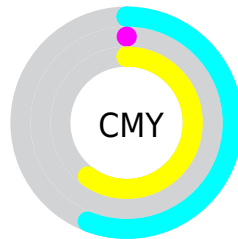
- Red (44%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (96%)



- Cyan (56%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9900, 0.3084, 0.5211 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 75.9900, 0.3084, 0.5211 by changing the saturation by 10% instead.


 75.9900, 0.3084,
0.5211


 75.9900, 0.3084,
0.5211


481.3135, 0.3165,
0.4262

 56.4243, 0.3047,
0.5435

 127.7128, 0.3126,
0.4874


 40.5432, 0.2992,
0.5712


 160.6386, 0.3139,
0.4745

 27.9623, 0.2906,
0.6059


 198.7867, 0.3147,
0.4634

 18.2973, 0.2768,
0.6500

 242.5413, 0.3153,
0.4539

 11.1636, 0.2545,
0.7080

292.2869, 0.3158,
0.4456

 6.1770, 0.2167,
0.7833


348.4079, 0.3161,

 2.9530, 0.1353,

0.4384

0.8647


411.2886, 0.3164,
0.4319

 1.1072, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.9900, 0.3084,
0.5211


 75.9900, 0.3084,
0.5211


 74.1920, 0.3066,
0.5516

 78.3588, 0.3099,
0.4867


 72.9081, 0.3046,
0.5756


 81.3307, 0.3111,
0.4511

 72.0862, 0.3027,
0.5913

 84.9468, 0.3119,
0.4164

 71.6527, 0.3011,
0.5991

 89.2420, 0.3124,
0.3841

 94.2487, 0.3126,
0.3549

99.9969, 0.3127,
0.3290

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



75.9900, 0.4039, 0.5124



75.9900, 0.3084, 0.5211



75.9900, 0.2190, 0.4376

Triad

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



75.9900, 0.3084, 0.5211



75.9900, 0.1557, 0.1860



75.9900, 0.4885, 0.3070

Complementary

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



75.9900, 0.3084, 0.5211



35.9417, 0.3091, 0.1849

Split Complementary

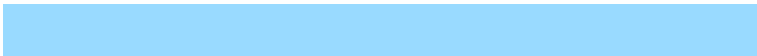
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9900, 0.3956, 0.2454



75.9900, 0.3084, 0.5211



75.9900, 0.2031, 0.1791

Square

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



75.9900, 0.3084, 0.5211



75.9900, 0.1415, 0.2277



75.9900, 0.2865, 0.2003



75.9900, 0.5189, 0.3763

Rectangle

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



75.9900, 0.3084, 0.5211



75.9900, 0.1758, 0.3546



75.9900, 0.2865, 0.2003



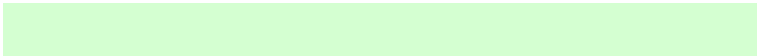
75.9900, 0.4628, 0.2853

Sweetspot

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



75.9932, 0.3084, 0.5211



90.1879, 0.3125, 0.3780



85.8715, 0.4046, 0.4604



19.0121, 0.3123, 0.3869



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.



75.9932, 0.3084, 0.5211



73.8963, 0.3062, 0.5570



77.0877, 0.2772, 0.4444



20.2308, 0.3127, 0.3535



37.4628, 0.3015, 0.5988



3.6684, 0.3050, 0.5960

Inverse Universe

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



35.9417, 0.3091, 0.1849



30.6056, 0.3073, 0.1655



34.5328, 0.3872, 0.2413



18.2296, 0.3126, 0.3055



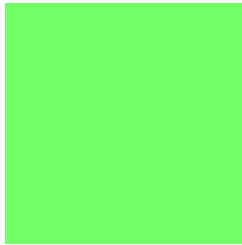
13.1690, 0.3028, 0.1442



1.3014, 0.3050, 0.1454

Previews

White Background



This preview shows how the Yxy color 75.9900, 0.3084, 0.5211 looks on a white background.

Color Contrast Check

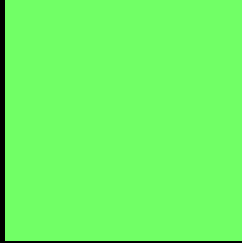
Large Text (above 18pt) WCAG AA × Fail

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 75.9900, 0.3084, 0.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

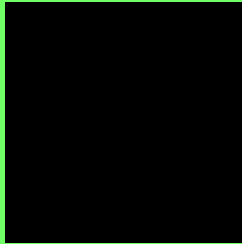
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

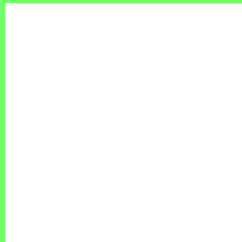
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9900, 0.3084, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 75.9900, 0.3084, 0.5211.

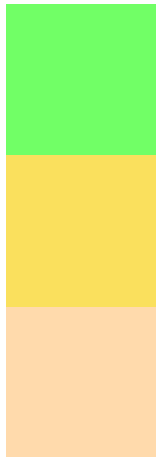


This preview shows how white text looks on a background with the Yxy color 75.9900, 0.3084, 0.5211.

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

75.9900, 0.3084, 0.5211

Protanopia

74.4256, 0.4159, 0.4549

Deuteranopia

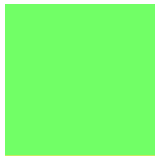
74.3814, 0.3732, 0.3764



Tritanopia

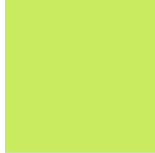
75.6382, 0.2568, 0.3097

Trichromacy



Original Color

75.9900, 0.3084, 0.5211



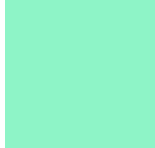
Protanomaly

72.5405, 0.3701, 0.4826



Deuteranomaly

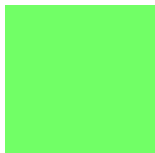
71.9549, 0.3463, 0.4262



Tritanomaly

74.5757, 0.2774, 0.3844

Monochromacy



Original Color

75.9900, 0.3084, 0.5211



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.1983, 0.3121, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9900, 0.3084, 0.5211 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(113, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 102)  
}
```

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(113, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 75.9900, 0.3084, 0.5211 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(113, 255, 102) }
```

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

```
.border{ border-color:rgb(113, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(113, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9900, 0.3084, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 102) }
```

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

```
.background{ background-color: rgb(113,  
255, 102) }
```

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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