

Converting Colors

$Y_{xy}(75.7510, 0.2960, 0.5010)$

Have a look what the booklet for
Yxy(75.7510, 0.2960, 0.5010)
contains.

Yxy(75.7499, 0.2960, 0.5011)	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(75.7499, 0.2960, 0.5011)

Conversions

Conversions Part 1

Format	Color
Hex	66FF7A
RGB	102, 255, 122
RGB Percent	40%, 100%, 48%
CMY	0.6003, 0.0000, 0.5216
CMYK	0.60, 0.00, 0.52, 0.00
HSL	128°, 100%, 70%
HSV	128°, 60%, 100%
XYZ	44.7455, 75.7499, 30.6718
YIQ	194.0910, -48.4950, -73.7990

Conversions

Conversions Part 2

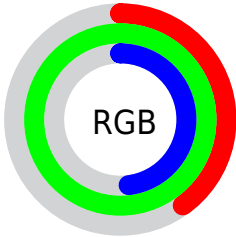
Format	Color
RYB	102, 237, 255
Decimal	6750074
CIELab	89.74, -66.83, 51.21
CIELCh	90, 84.192, 142.537
Yxy	75.7499, 0.2960, 0.5011
Android (android.graphics.Color)	4284940154 (0xFF66FF7A)
YUV	194.0910, -35.5409, -80.7638
Hunter-Lab	87.0344, -60.5411, 40.0297

Details

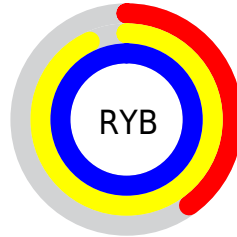
The Yxy color **75.7499, 0.2960, 0.5011** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.7425, 0.3385, 0.2040**, and the grayscale version is **54.2266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6937, 0.3016, 0.4212**, and **40.4009, 0.2860, 0.5472** is the 20% darker color. If you saturate the color by 10%, you get **73.9909, 0.2950, 0.5316**, and if you desaturate by 10%, it is **78.0830, 0.2978, 0.4687**.

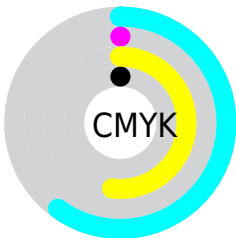
Distribution



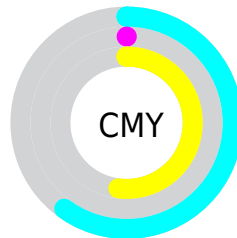
- Red (40%)
- Green (100%)
- Blue (48%)



- Red (40%)
- Yellow (93%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7499, 0.2960, 0.5011 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 75.7499, 0.2960, 0.5011 by changing the saturation by 10% instead.


 75.7499, 0.2960,
0.5011


 75.7499, 0.2960,
0.5011


480.4911, 0.3083,
0.4155

 56.2275, 0.2919,
0.5217

 127.3733, 0.3013,
0.4705

 40.3853, 0.2861,
0.5475


 160.2431, 0.3031,
0.4588

 27.8391, 0.2775,
0.5805


 198.3307, 0.3044,
0.4489

 18.2044, 0.2645,
0.6236

242.0206, 0.3056,
0.4403

 11.0968, 0.2435,
0.6809

291.6973, 0.3065,
0.4329

 6.1320, 0.2153,
0.7841


347.7449, 0.3072,


 2.9255, 0.1323,


0.4264


0.8677


410.5481, 0.3078,
0.4206


 1.0930, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.7499, 0.2960,
0.5011


 75.7499, 0.2960,
0.5011


 73.9909, 0.2950,
0.5316


 78.0830, 0.2978,
0.4687


 72.7674, 0.2951,
0.5580


 81.0496, 0.3003,
0.4363

 72.0130, 0.2961,
0.5783

 84.6864, 0.3033,
0.4054

 71.6322, 0.2977,
0.5917

 89.0311, 0.3064,
0.3770

 94.1188, 0.3096,
0.3515

99.9819, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.7499, 0.3875, 0.5082



75.7499, 0.2960, 0.5011



75.7499, 0.2138, 0.4128

Triad

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



75.7499, 0.2960, 0.5011



75.7499, 0.1681, 0.1902



75.7499, 0.4869, 0.3193

Complementary

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



75.7499, 0.2960, 0.5011



36.7425, 0.3385, 0.2040

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.



75.7499, 0.4067, 0.2583



75.7499, 0.2960, 0.5011



75.7499, 0.2190, 0.1877

Square

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



75.7499, 0.2960, 0.5011



75.7499, 0.1496, 0.2251



75.7499, 0.3035, 0.2118



75.7499, 0.5061, 0.3869

Rectangle

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



75.7499, 0.2960, 0.5011



75.7499, 0.1760, 0.3363



75.7499, 0.3035, 0.2118



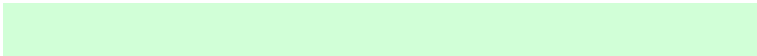
75.7499, 0.4657, 0.2980

Sweetspot

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



75.7454, 0.2960, 0.5011



90.0022, 0.3070, 0.3716



90.5067, 0.3853, 0.4769



18.9681, 0.3061, 0.3794



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.



75.7454, 0.2960, 0.5011



73.7095, 0.2950, 0.5372



78.3407, 0.2635, 0.4030



20.2069, 0.3098, 0.3503



37.4412, 0.2972, 0.5900



3.6570, 0.2928, 0.5741

Inverse Universe

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



36.7425, 0.3385, 0.2040



31.5832, 0.3446, 0.1879



33.3075, 0.4262, 0.2710



18.2570, 0.3158, 0.3086



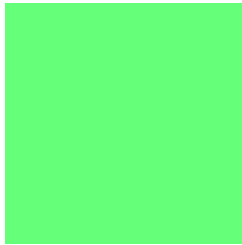
13.8685, 0.3571, 0.1741



1.3612, 0.3524, 0.1715

Previews

White Background



This preview shows how the Yxy color 75.7499, 0.2960, 0.5011 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 75.7499, 0.2960, 0.5011 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 75.7499, 0.2960, 0.5011

Background



This preview shows how black text looks on a background with the Yxy color 75.7499, 0.2960, 0.5011.

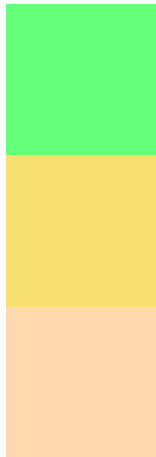


This preview shows how white text looks on a background with the Yxy color 75.7499, 0.2960, 0.5011.

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

75.7499, 0.2960, 0.5011

Protanopia

74.2553, 0.4037, 0.4413

Deuteranopia

73.9417, 0.3721, 0.3733



Tritanopia

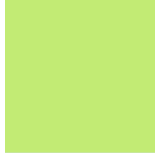
75.1414, 0.2544, 0.3095

Trichromacy



Original Color

75.7499, 0.2960, 0.5011



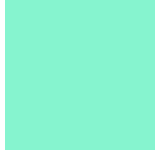
Protanomaly

72.1469, 0.3560, 0.4661



Deuteranomaly

71.6605, 0.3385, 0.4179



Tritanomaly

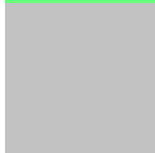
74.2747, 0.2696, 0.3746

Monochromacy



Original Color

75.7499, 0.2960, 0.5011



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5160, 0.3049, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7499, 0.2960, 0.5011 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(102, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 122)  
}
```

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(102, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 75.7499, 0.2960, 0.5011 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(102, 255, 122) }
```

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

```
.border{ border-color:rgb(102, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7499, 0.2960, 0.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 122) }
```

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

```
.background{ background-color: rgb(102,  
255, 122) }
```

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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