

Converting Colors

$Y_{xy}(75.6986, 0.2969, 0.5036)$

Have a look what the booklet for
Yxy(75.6986, 0.2969, 0.5036)
contains.

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Color

Yxy(75.7008, 0.2968, 0.5035)

Conversions

Conversions Part 1

Format	Color
Hex	66FF78
RGB	102, 255, 120
RGB Percent	40%, 100%, 47%
CMY	0.6002, 0.0000, 0.5295
CMYK	0.60, 0.00, 0.53, 0.00
HSL	127°, 100%, 70%
HSV	127°, 60%, 100%
XYZ	44.6236, 75.7008, 30.0247
YIQ	193.8630, -47.8530, -74.4210

Conversions

Conversions Part 2

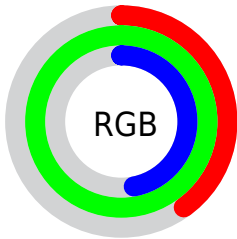
Format	Color
RYB	102, 239, 255
Decimal	6750072
CIELab	89.72, -67.08, 52.10
CIELCh	90, 84.937, 142.166
Yxy	75.7008, 0.2968, 0.5035
Android (android.graphics.Color)	4284940152 (0xFF66FF78)
YUV	193.8630, -36.4145, -80.5639
Hunter-Lab	87.0062, -60.7120, 40.4441

Details

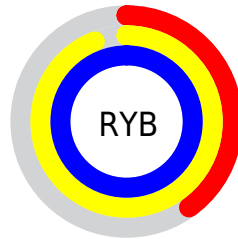
The Yxy color **75.7008, 0.2968, 0.5035** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.8619, 0.3364, 0.2024**, and the grayscale version is **54.0914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6145, 0.3026, 0.4236**, and **40.3765, 0.2867, 0.5499** is the 20% darker color. If you saturate the color by 10%, you get **73.9469, 0.2958, 0.5341**, and if you desaturate by 10%, it is **78.0332, 0.2986, 0.4707**.

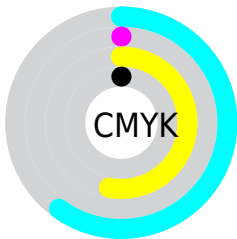
Distribution



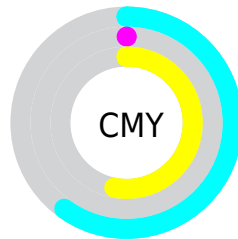
- Red (40%)
- Green (100%)
- Blue (47%)



- Red (40%)
- Yellow (94%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7008, 0.2968, 0.5035 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 75.7008, 0.2968, 0.5035 by changing the saturation by 10% instead.


 75.7008, 0.2968,
0.5035


 75.7008, 0.2968,
0.5035


480.3229, 0.3089,
0.4167

 56.1872, 0.2927,
0.5244


 127.3039, 0.3021,
0.4724

 40.3530, 0.2868,
0.5505

 160.1622, 0.3038,
0.4606

 27.8139, 0.2782,
0.5838


 198.2374, 0.3052,
0.4505

 18.1854, 0.2650,
0.6273

241.9141, 0.3062,
0.4419

 11.0832, 0.2437,
0.6848

291.5766, 0.3071,
0.4344

 6.1228, 0.2143,
0.7857


347.6093, 0.3078,

 2.9199, 0.1303,

0.4278

0.8697


410.3966, 0.3084,
0.4219


 1.0901, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7008, 0.2968,
0.5035


 75.7008, 0.2968,
0.5035


 73.9469, 0.2958,
0.5341


 78.0332, 0.2986,
0.4707


 72.7303, 0.2958,
0.5603


 81.0020, 0.3010,
0.4379

 71.9849, 0.2967,
0.5803

 84.6448, 0.3038,
0.4066

 71.6141, 0.2981,
0.5930

 88.9997, 0.3068,
0.3778

 94.1021, 0.3098,
0.3519

99.9847, 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.



75.7008, 0.3889, 0.5092



75.7008, 0.2968, 0.5035



75.7008, 0.2138, 0.4150

Triad

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



75.7008, 0.2968, 0.5035



75.7008, 0.1666, 0.1894



75.7008, 0.4877, 0.3183

Complementary

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



75.7008, 0.2968, 0.5035



36.8619, 0.3364, 0.2024

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.



75.7008, 0.4062, 0.2571



75.7008, 0.2968, 0.5035



75.7008, 0.2174, 0.1866

Square

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



75.7008, 0.2968, 0.5035



75.7008, 0.1485, 0.2248



75.7008, 0.3021, 0.2105



75.7008, 0.5078, 0.3861

Rectangle

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



75.7008, 0.2968, 0.5035



75.7008, 0.1755, 0.3376



75.7008, 0.3021, 0.2105



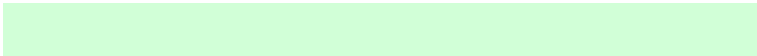
75.7008, 0.4661, 0.2968

Sweetspot

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



75.6970, 0.2968, 0.5035



89.9712, 0.3074, 0.3723



90.5072, 0.3853, 0.4768



18.9607, 0.3065, 0.3802



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.



75.6970, 0.2968, 0.5035



73.6660, 0.2957, 0.5397



78.3415, 0.2635, 0.4030



20.2030, 0.3099, 0.3506



37.4308, 0.2976, 0.5915



3.6551, 0.2935, 0.5766

Inverse Universe

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



36.8619, 0.3364, 0.2024



31.7205, 0.3420, 0.1862



33.3100, 0.4262, 0.2710



18.2613, 0.3156, 0.3083



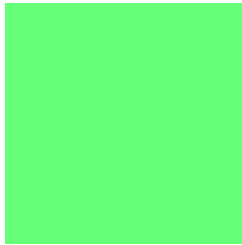
13.9619, 0.3532, 0.1719



1.3694, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 75.7008, 0.2968, 0.5035 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 75.7008, 0.2968, 0.5035 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

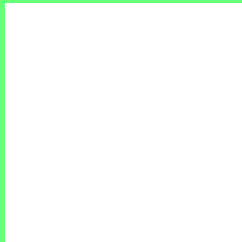
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7008, 0.2968, 0.5035

Background



This preview shows how black text looks on a background with the Yxy color 75.7008, 0.2968, 0.5035.



This preview shows how white text looks on a background with the Yxy color 75.7008, 0.2968, 0.5035.

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

75.7008, 0.2968, 0.5035

Protanopia

74.2113, 0.4048, 0.4429

Deuteranopia

73.9028, 0.3728, 0.3743



Tritanopia

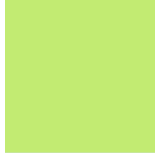
75.1414, 0.2544, 0.3095

Trichromacy



Original Color

75.7008, 0.2968, 0.5035



Protanomaly

72.1009, 0.3570, 0.4681



Deuteranomaly

71.6270, 0.3391, 0.4190



Tritanomaly

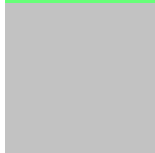
74.2259, 0.2700, 0.3759

Monochromacy



Original Color

75.7008, 0.2968, 0.5035



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4788, 0.3055, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7008, 0.2968, 0.5035 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 75.7008, 0.2968, 0.5035 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, 120) }
```

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

```
.border{ border-color:rgb(102, 255, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7008, 0.2968, 0.5035 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, 120) }
```

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

```
.background{ background-color: rgb(102,  
255, 120) }
```

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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