

Converting Colors

Yxy(75.3838, 0.3022, 0.5196)

Have a look what the booklet for
Yxy(75.3838, 0.3022, 0.5196)
contains.

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Color

Yxy(75.3854, 0.3021, 0.5195)

Conversions

Conversions Part 1

Format	Color
Hex	66FF6A
RGB	102, 255, 106
RGB Percent	40%, 100%, 42%
CMY	0.6002, 0.0000, 0.5841
CMYK	0.60, 0.00, 0.58, 0.00
HSL	122°, 100%, 70%
HSV	122°, 60%, 100%
XYZ	43.8382, 75.3854, 25.8879
YIQ	192.2670, -43.3590, -78.7750

Conversions

Conversions Part 2

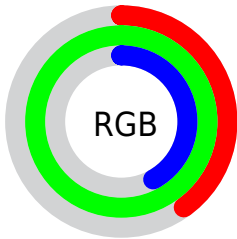
Format	Color
RYB	102, 251, 255
Decimal	6750058
CIELab	89.57, -68.74, 58.12
CIElCh	90, 90.020, 139.785
Yxy	75.3854, 0.3021, 0.5195
Android (android.graphics.Color)	4284940138 (0xFF66FF6A)
YUV	192.2670, -42.5296, -79.1642
Hunter-Lab	86.8248, -61.8180, 43.0993

Details

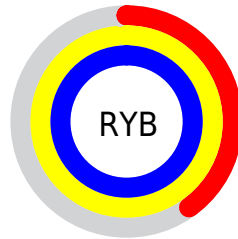
The Yxy color **75.3854, 0.3021, 0.5195** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.7106, 0.3230, 0.1922**, and the grayscale version is **53.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2002, 0.3103, 0.4404**, and **40.1757, 0.2920, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **73.6724, 0.3008, 0.5503**, and if you desaturate by 10%, it is **77.7013, 0.3037, 0.4850**.

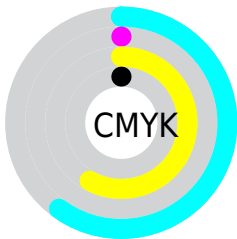
Distribution



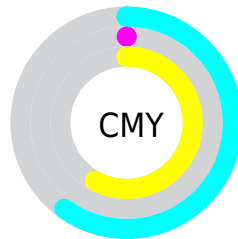
- Red (40%)
- Green (100%)
- Blue (42%)



- Red (40%)
- Yellow (98%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3854, 0.3021, 0.5195 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 75.3854, 0.3021, 0.5195 by changing the saturation by 10% instead.


 75.3854, 0.3021,
0.5195


 75.3854, 0.3021,
0.5195


479.2412, 0.3129,
0.4249


 55.9287, 0.2979,
0.5420


 126.8578, 0.3072,
0.4858

 40.1457, 0.2918,
0.5700


 159.6422, 0.3088,
0.4729

 27.6522, 0.2826,
0.6054


 197.6380, 0.3099,
0.4619

 18.0636, 0.2681,
0.6507

 241.2295, 0.3108,
0.4524

 10.9957, 0.2446,
0.7098

290.8012, 0.3115,
0.4442

 6.0639, 0.2070,
0.7930


346.7375, 0.3121,

 2.8840, 0.1168,

0.4369


0.8832


409.4227, 0.3125,
0.4306


 1.0715, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 75.3854, 0.3021,
0.5195


 75.3854, 0.3021,
0.5195

 73.6724, 0.3008,
0.5503


 77.7013, 0.3037,
0.4850

 72.5120, 0.3000,
0.5748


 80.6765, 0.3056,
0.4494

 71.8345, 0.2997,
0.5910

 84.3534, 0.3075,
0.4149

 71.5350, 0.2997,
0.5989

 88.7726, 0.3094,
0.3830

 93.9719, 0.3111,
0.3543

99.9862, 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.



75.3854, 0.3983, 0.5159



75.3854, 0.3021, 0.5195



75.3854, 0.2137, 0.4305

Triad

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



75.3854, 0.3021, 0.5195



75.3854, 0.1572, 0.1841



75.3854, 0.4934, 0.3111

Complementary

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



75.3854, 0.3021, 0.5195



37.7106, 0.3230, 0.1922

Split Complementary

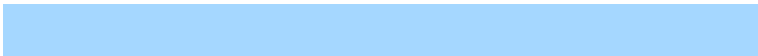
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3854, 0.4030, 0.2486



75.3854, 0.3021, 0.5195



75.3854, 0.2069, 0.1792

Square

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



75.3854, 0.3021, 0.5195



75.3854, 0.1409, 0.2233



75.3854, 0.2928, 0.2020



75.3854, 0.5192, 0.3809

Rectangle

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



75.3854, 0.3021, 0.5195



75.3854, 0.1720, 0.3469



75.3854, 0.2928, 0.2020



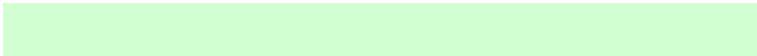
75.3854, 0.4689, 0.2891

Sweetspot

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



75.3832, 0.3021, 0.5195



89.7595, 0.3097, 0.3769



93.2576, 0.3960, 0.4707



18.9103, 0.3092, 0.3857



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.



75.3832, 0.3021, 0.5195



73.4011, 0.3006, 0.5557



77.6788, 0.2704, 0.4236



20.1761, 0.3112, 0.3529



37.3820, 0.2996, 0.5984



3.6424, 0.2985, 0.5945

Inverse Universe

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



37.7106, 0.3230, 0.1922



32.7246, 0.3248, 0.1749



33.8835, 0.4063, 0.2558



18.2915, 0.3142, 0.3062



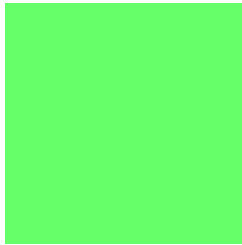
14.6592, 0.3277, 0.1579



1.4299, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 75.3854, 0.3021, 0.5195 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 75.3854, 0.3021, 0.5195 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

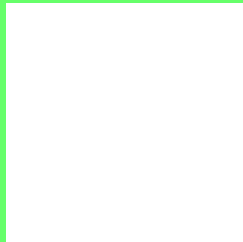
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.3854, 0.3021, 0.5195

Background



This preview shows how black text looks on a background with the Yxy color 75.3854, 0.3021, 0.5195.

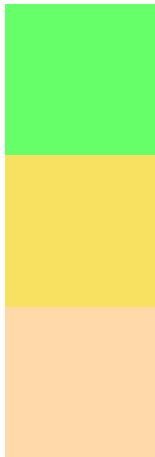


This preview shows how white text looks on a background with the Yxy color 75.3854, 0.3021, 0.5195.

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

75.3854, 0.3021, 0.5195

Protanopia

74.1123, 0.4130, 0.4535

Deuteranopia

73.7880, 0.3750, 0.3774



Tritanopia

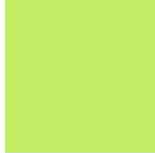
74.9484, 0.2535, 0.3095

Trichromacy



Original Color

75.3854, 0.3021, 0.5195



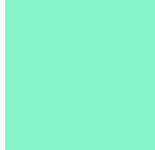
Protanomaly

71.9389, 0.3646, 0.4811



Deuteranomaly

71.4005, 0.3434, 0.4271



Tritanomaly

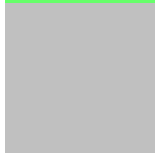
73.9050, 0.2720, 0.3825

Monochromacy



Original Color

75.3854, 0.3021, 0.5195



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5450, 0.3080, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3854, 0.3021, 0.5195 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 106) }
```

Border

The CSS property to change the border of an element to Yxy 75.3854, 0.3021, 0.5195 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, 106) }
```

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

```
.border{ border-color:rgb(102, 255, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3854, 0.3021, 0.5195 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, 106) }
```

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

```
.background{ background-color: rgb(102,  
255, 106) }
```

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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