

Converting Colors

$Yxy(75.3643, 0.2378, 0.3164)$

Have a look what the booklet for
Yxy(75.3643, 0.2378, 0.3164)
contains.

Yxy(75.6506, 0.2379, 0.3170)	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(75.6506, 0.2379, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	6BF5FF
RGB	107, 245, 255
RGB Percent	42%, 96%, 100%
CMY	0.5800, 0.0392, 0.0000
CMYK	0.58, 0.04, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 58%, 100%
XYZ	56.7737, 75.6506, 106.2211
YIQ	204.8780, -85.4580, -26.1460

Conversions

Conversions Part 2

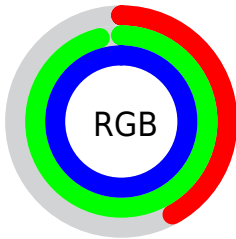
Format	Color
RYB	107, 178, 255
Decimal	7075327
CIELab	89.70, -34.50, -16.12
CIELCh	90, 38.082, 205.044
Yxy	75.6506, 0.2379, 0.3170
Android (android.graphics.Color)	4285265407 (0xFF6BF5FF)
YUV	204.8780, 24.7101, -85.8390
Hunter-Lab	86.9774, -35.6960, -11.5238

Details

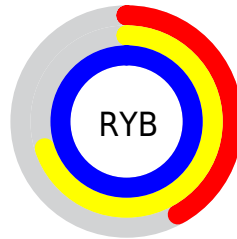
The Yxy color **75.6506, 0.2379, 0.3170** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.0683, 0.4862, 0.3392**, and the grayscale version is **60.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **40.1924, 0.2218, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **73.2584, 0.2303, 0.3147**, and if you desaturate by 10%, it is **78.5235, 0.2474, 0.3193**.

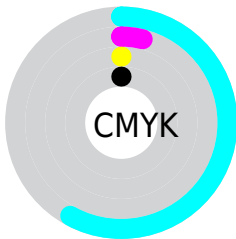
Distribution



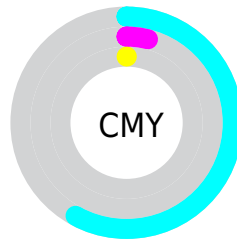
- Red (42%)
- Green (96%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6506, 0.2379, 0.3170 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 75.6506, 0.2379, 0.3170 by changing the saturation by 10% instead.


 75.6506, 0.2379,
0.3170

 75.6506, 0.2379,
0.3170


480.1508, 0.2713,
0.3235


 56.1460, 0.2306,
0.3153


 127.2329, 0.2492,
0.3194

 40.3200, 0.2218,
0.3131


 160.0794, 0.2537,
0.3203

 27.7882, 0.2108,
0.3102


 198.1421, 0.2576,
0.3211

 18.1660, 0.1970,
0.3061

241.8052, 0.2610,
0.3217

 11.0693, 0.1791,
0.3002

291.4533, 0.2640,
0.3223

 6.1134, 0.1552,
0.2910


347.4706, 0.2667,


 2.9142, 0.1222,

0.3227

0.2753

410.2417, 0.2691,
0.3232


 1.0871, 0.0417,
0.2547


 0.0000, 0.0000,
0.0000


 75.6506, 0.2379,
0.3170


 75.6506, 0.2379,
0.3170


 73.2584, 0.2303,
0.3147

 78.5235, 0.2474,
0.3193


 71.2971, 0.2248,
0.3123

 81.9068, 0.2586,
0.3216

 69.7193, 0.2211,
0.3100

 85.8365, 0.2714,
0.3237

 68.4573, 0.2190,
0.3078

 90.3430, 0.2854,
0.3257

68.2241, 0.2187,
0.3073

95.4548, 0.3003,
0.3276

100.0000, 0.3127,
0.3290

Harmonies

Analogous

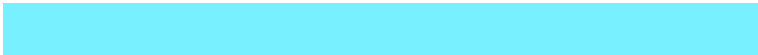
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6506, 0.2650, 0.3619



75.6506, 0.2379, 0.3170



75.6506, 0.2298, 0.2801

Triad

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



75.6506, 0.2379, 0.3170



75.6506, 0.3144, 0.2711



75.6506, 0.3867, 0.3981

Complementary

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



75.6506, 0.2379, 0.3170



35.0683, 0.4862, 0.3392

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.



75.6506, 0.4031, 0.3685



75.6506, 0.2379, 0.3170



75.6506, 0.3599, 0.2979

Square

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



75.6506, 0.2379, 0.3170



75.6506, 0.2714, 0.2573



75.6506, 0.3934, 0.3325



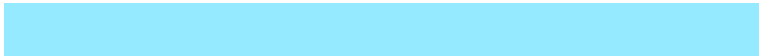
75.6506, 0.3506, 0.4110

Rectangle

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



75.6506, 0.2379, 0.3170



75.6506, 0.2355, 0.2645



75.6506, 0.3934, 0.3325



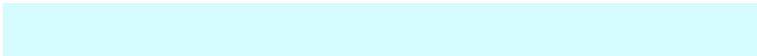
75.6506, 0.3948, 0.3896

Sweetspot

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



75.6531, 0.2379, 0.3170



90.8284, 0.2868, 0.3259



75.9346, 0.3001, 0.5060



19.2344, 0.2839, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

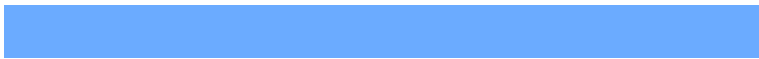
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6531, 0.2379, 0.3170



72.8337, 0.2291, 0.3142



39.5470, 0.2170, 0.2216



20.2586, 0.2980, 0.3273



35.7381, 0.2188, 0.3077



3.5404, 0.2195, 0.3103

Inverse Universe

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



38.3865, 0.3283, 0.2001



32.9646, 0.3318, 0.1822



59.5440, 0.4335, 0.4130



18.2779, 0.3148, 0.3071



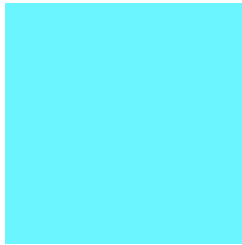
14.3358, 0.3387, 0.1639



1.4020, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 75.6506, 0.2379, 0.3170 looks on a white background.

Color Contrast Check

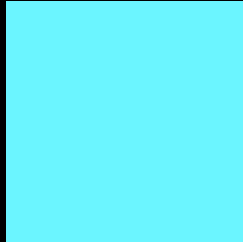
Large Text (above 18pt) WCAG AA × Fail

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 75.6506, 0.2379, 0.3170 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

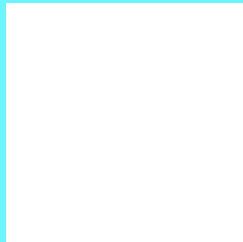
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6506, 0.2379, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 75.6506, 0.2379, 0.3170.

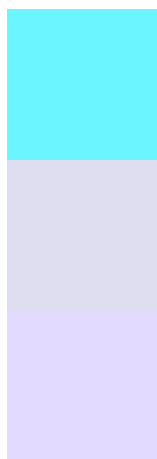


This preview shows how white text looks on a background with the Yxy color 75.6506, 0.2379, 0.3170.

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

75.6506, 0.2379, 0.3170

Protanopia

74.2814, 0.3012, 0.3089

Deuteranopia

74.2139, 0.2952, 0.2919



Tritanopia

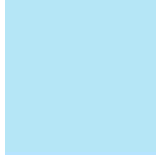
75.0640, 0.2514, 0.3105

Trichromacy



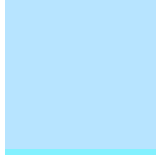
Original Color

75.6506, 0.2379, 0.3170



Protanomaly

73.0712, 0.2723, 0.3110



Deuteranomaly

72.7741, 0.2685, 0.2991



Tritanomaly

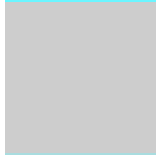
75.0361, 0.2459, 0.3126

Monochromacy



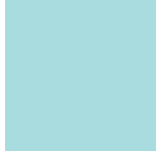
Original Color

75.6506, 0.2379, 0.3170



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.9491, 0.2768, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6506, 0.2379, 0.3170 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(107, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 245, 255)  
}
```

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(107, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.6506, 0.2379, 0.3170 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(107, 245, 255) }
```

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

```
.border{ border-color:rgb(107, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6506, 0.2379, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 245, 255) }
```

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

```
.background{ background-color: rgb(107,  
245, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor