

Converting Colors

$Y_{xy}(75.5259, 0.2364, 0.3173)$

Have a look what the booklet for
Yxy(75.5259, 0.2364, 0.3173)
contains.

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Color

Yxy(75.3496, 0.2363, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	66F5FF
RGB	102, 245, 255
RGB Percent	40%, 96%, 100%
CMY	0.6005, 0.0391, 0.0001
CMYK	0.60, 0.04, 0.00, 0.00
HSL	184°, 100%, 70%
HSV	184°, 60%, 100%
XYZ	56.1675, 75.3496, 106.1788
YIQ	203.3830, -88.4380, -27.2060

Conversions

Conversions Part 2

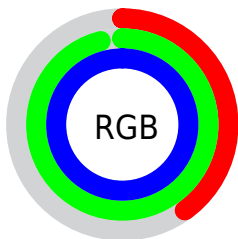
Format	Color
RYB	102, 176, 255
Decimal	6747647
CIELab	89.56, -35.40, -16.34
CIELCh	90, 38.988, 204.772
Yxy	75.3496, 0.2363, 0.3170
Android (android.graphics.Color)	4284937727 (0xFF66F5FF)
YUV	203.3830, 25.4472, -88.9129
Hunter-Lab	86.8041, -36.4069, -11.7606

Details

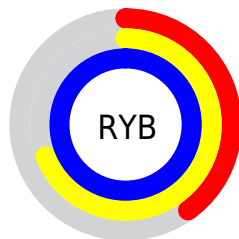
The Yxy color **75.3496, 0.2363, 0.3170** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.7642, 0.4959, 0.3390**, and the grayscale version is **59.8313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **40.0437, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **73.0873, 0.2292, 0.3148**, and if you desaturate by 10%, it is **78.0843, 0.2454, 0.3192**.

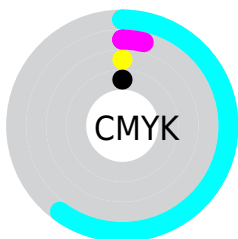
Distribution



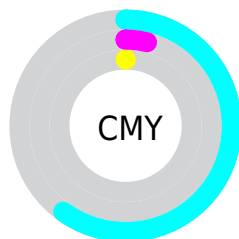
- Red (40%)
- Green (96%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3496, 0.2363, 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 75.3496, 0.2363, 0.3170 by changing the saturation by 10% instead.


 75.3496, 0.2363,
0.3170

 75.3496, 0.2363,
0.3170


479.1183, 0.2704,
0.3236


 55.8993, 0.2288,
0.3153


 126.8071, 0.2479,
0.3195

 40.1222, 0.2198,
0.3131


 159.5832, 0.2524,
0.3204

 27.6339, 0.2087,
0.3101


 197.5699, 0.2564,
0.3211

 18.0498, 0.1946,
0.3059

241.1518, 0.2599,
0.3218

 10.9858, 0.1764,
0.2999

290.7132, 0.2630,
0.3223

 6.0573, 0.1521,
0.2905

346.6385, 0.2657,

 2.8799, 0.1186,

0.3228

0.2744

409.3121, 0.2682,
0.3232

1.0694, 0.0336,
0.2540

0.0000, 0.0000,
0.0000

75.3496, 0.2363,
0.3170

75.3496, 0.2363,
0.3170

73.0873, 0.2292,
0.3148

78.0843, 0.2454,
0.3192

71.2453, 0.2240,
0.3125

81.3211, 0.2562,
0.3214

69.7745, 0.2207,
0.3103

85.0968, 0.2687,
0.3235

68.5953, 0.2189,
0.3082

89.4425, 0.2824,
0.3255

■ 94.3870, 0.2972,
0.3273

99.9570, 0.3126,
0.3290

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



75.3496, 0.2641, 0.3632



75.3496, 0.2363, 0.3170



75.3496, 0.2279, 0.2791

Triad

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



75.3496, 0.2363, 0.3170



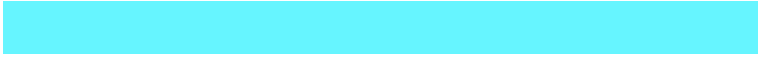
75.3496, 0.3139, 0.2696



75.3496, 0.3887, 0.3995

Complementary

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



75.3496, 0.2363, 0.3170



33.7642, 0.4959, 0.3390

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.



75.3496, 0.4054, 0.3690



75.3496, 0.2363, 0.3170



75.3496, 0.3607, 0.2968

Square

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



75.3496, 0.2363, 0.3170



75.3496, 0.2701, 0.2556



75.3496, 0.3952, 0.3321



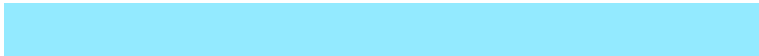
75.3496, 0.3518, 0.4131

Rectangle

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



75.3496, 0.2363, 0.3170



75.3496, 0.2336, 0.2631



75.3496, 0.3952, 0.3321



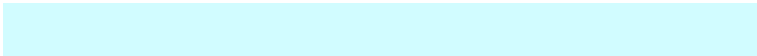
75.3496, 0.3970, 0.3907

Sweetspot

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



75.3524, 0.2363, 0.3170



90.4185, 0.2854, 0.3258



75.4434, 0.3008, 0.5156



19.0620, 0.2812, 0.3253



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.



75.3524, 0.2363, 0.3170



72.7055, 0.2280, 0.3143



39.0736, 0.2146, 0.2205



20.2670, 0.2980, 0.3274



35.9333, 0.2190, 0.3085



3.5573, 0.2197, 0.3110

Inverse Universe

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



37.3265, 0.3286, 0.1964



32.2916, 0.3318, 0.1795



57.3654, 0.4405, 0.4129



18.2788, 0.3148, 0.3071



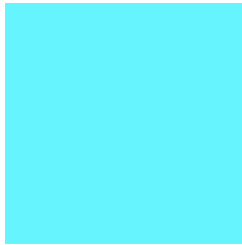
14.3555, 0.3380, 0.1636



1.4037, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 75.3496, 0.2363, 0.3170 looks on a white background.

Color Contrast Check

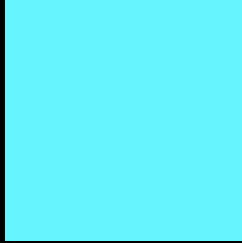
Large Text (above 18pt) WCAG AA × Fail

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 75.3496, 0.2363, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

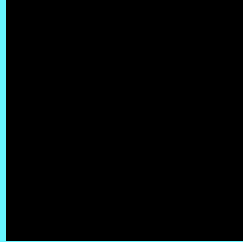
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3496, 0.2363, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 75.3496, 0.2363, 0.3170.

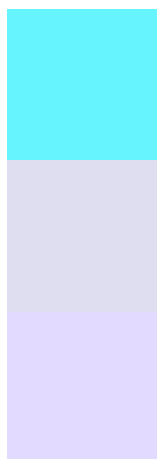


This preview shows how white text looks on a background with the Yxy color 75.3496, 0.2363, 0.3170.

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

75.3496, 0.2363, 0.3170

Protanopia

74.0634, 0.3012, 0.3099

Deuteranopia

74.2139, 0.2952, 0.2919



Tritanopia

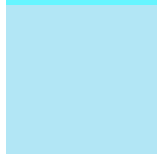
74.7926, 0.2501, 0.3105

Trichromacy



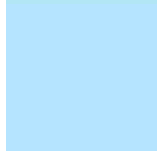
Original Color

75.3496, 0.2363, 0.3170



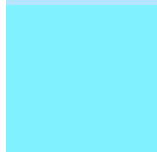
Protanomaly

72.6512, 0.2711, 0.3120



Deuteranomaly

72.5306, 0.2673, 0.2990



Tritanomaly

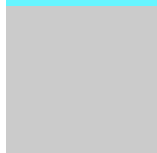
74.7198, 0.2443, 0.3125

Monochromacy



Original Color

75.3496, 0.2363, 0.3170



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.5237, 0.2754, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3496, 0.2363, 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(102, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.3496, 0.2363, 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(102, 245, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3496, 0.2363, 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(102, 245, 255) }
```

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

```
.background{ background-color: rgb(102,  
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](#).

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