

Converting Colors

$Y_{xy}(78.4107, 0.2233, 0.2720)$

Have a look what the booklet for
Yxy(78.4107, 0.2233, 0.2720)
contains.

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Color

Yxy(75.2364, 0.2386, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	6EF4FF
RGB	110, 244, 255
RGB Percent	43%, 96%, 100%
CMY	0.5686, 0.0431, 0.0001
CMYK	0.57, 0.04, 0.00, 0.00
HSL	185°, 100%, 72%
HSV	185°, 57%, 100%
XYZ	56.8262, 75.2364, 106.1026
YIQ	205.1880, -83.3950, -24.9870

Conversions

Conversions Part 2

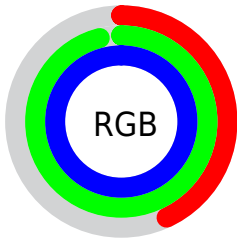
Format	Color
RYB	110, 180, 255
Decimal	7271679
CIELab	89.50, -33.54, -16.38
CIELCh	90, 37.325, 206.030
Yxy	75.2364, 0.2386, 0.3159
Android (android.graphics.Color)	4285461759 (0xFF6EF4FF)
YUV	205.1880, 24.5573, -83.4799
Hunter-Lab	86.7389, -34.8504, -11.8087

Details

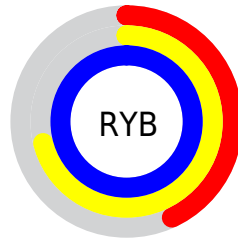
The Yxy color **75.2364, 0.2386, 0.3159** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.0448, 0.4802, 0.3402**, and the grayscale version is **61.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **39.8791, 0.2225, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **72.6786, 0.2307, 0.3133**, and if you desaturate by 10%, it is **78.2824, 0.2484, 0.3185**.

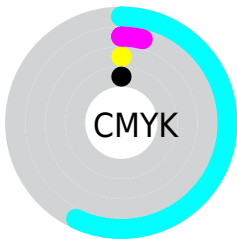
Distribution



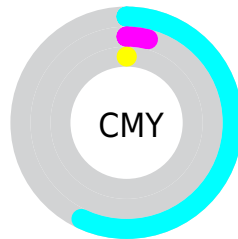
- Red (43%)
- Green (96%)
- Blue (100%)



- Red (43%)
- Yellow (71%)
- Blue (100%)



- Cyan (57%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (57%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2364, 0.2386, 0.3159 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 75.2364, 0.2386, 0.3159 by changing the saturation by 10% instead.

 75.2364, 0.2386,
0.3159

 75.2364, 0.2386,
0.3159


478.7297, 0.2717,
0.3229

 55.8066, 0.2314,
0.3141

 126.6469, 0.2498,
0.3185

 40.0479, 0.2226,
0.3118


 159.3964, 0.2543,
0.3195

 27.5759, 0.2117,
0.3087


 197.3546, 0.2581,
0.3203

 18.0062, 0.1980,
0.3044

240.9059, 0.2615,
0.3210

 10.9544, 0.1802,
0.2982

290.4347, 0.2645,
0.3216

 6.0362, 0.1563,
0.2886

346.3253, 0.2672,

 2.8671, 0.1233,

0.3221

408.9622, 0.2696,
0.3225

0.2725

1.0627, 0.0428,
0.2509

0.0000, 0.0000,
0.0000

75.2364, 0.2386,
0.3159

75.2364, 0.2386,
0.3159

72.6786, 0.2307,
0.3133

78.2824, 0.2484,
0.3185

70.5588, 0.2248,
0.3107

81.8446, 0.2599,
0.3210

68.8309, 0.2208,
0.3081

85.9591, 0.2729,
0.3233

67.4332, 0.2185,
0.3055

90.6561, 0.2870,
0.3256

67.0323, 0.2180,
0.3047

95.9636, 0.3021,
0.3277

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



75.2364, 0.2647, 0.3599



75.2364, 0.2386, 0.3159



75.2364, 0.2312, 0.2801

Triad

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



75.2364, 0.2386, 0.3159



75.2364, 0.3159, 0.2728



75.2364, 0.3845, 0.3977

Complementary

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



75.2364, 0.2386, 0.3159



36.0448, 0.4802, 0.3402

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.



75.2364, 0.4013, 0.3691



75.2364, 0.2386, 0.3159



75.2364, 0.3604, 0.2994

Square

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



75.2364, 0.2386, 0.3159



75.2364, 0.2734, 0.2587



75.2364, 0.3926, 0.3337



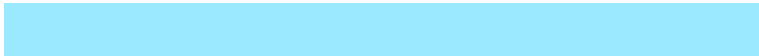
75.2364, 0.3486, 0.4095

Rectangle

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



75.2364, 0.2386, 0.3159



75.2364, 0.2373, 0.2651



75.2364, 0.3926, 0.3337



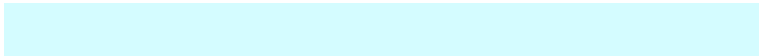
75.2364, 0.3927, 0.3895

Sweetspot

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



75.2393, 0.2386, 0.3159



90.6124, 0.2868, 0.3256



76.1603, 0.3003, 0.5021



19.1828, 0.2839, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

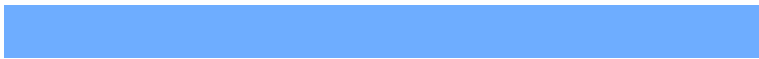
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2393, 0.2386, 0.3159



72.4375, 0.2299, 0.3130



40.3520, 0.2188, 0.2241



20.2325, 0.2980, 0.3271



35.1362, 0.2181, 0.3052



3.4883, 0.2189, 0.3081

Inverse Universe

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



38.9387, 0.3291, 0.2030



33.6389, 0.3326, 0.1857



60.1439, 0.4306, 0.4116



18.2753, 0.3150, 0.3073



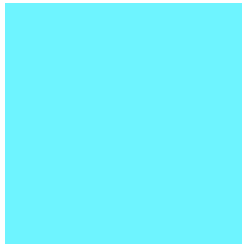
14.2750, 0.3409, 0.1652



1.3967, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 75.2364, 0.2386, 0.3159 looks on a white background.

Color Contrast Check

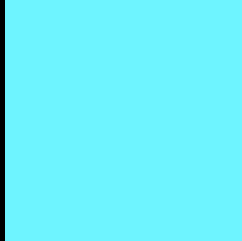
Large Text (above 18pt) WCAG AA × Fail

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 75.2364, 0.2386, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

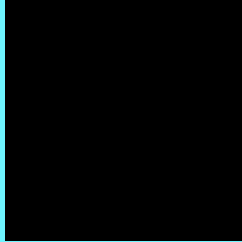
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2364, 0.2386, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 75.2364, 0.2386, 0.3159.

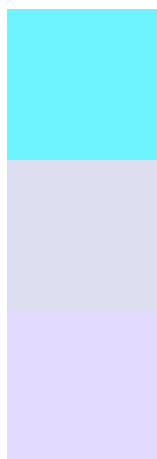


This preview shows how white text looks on a background with the Yxy color 75.2364, 0.2386, 0.3159.

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

75.2364, 0.2386, 0.3159

Protanopia

74.1230, 0.3005, 0.3089

Deuteranopia

74.2139, 0.2952, 0.2919



Tritanopia

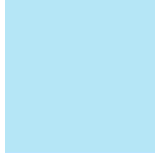
74.9727, 0.2510, 0.3105

Trichromacy



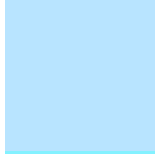
Original Color

75.2364, 0.2386, 0.3159



Protanomaly

73.0712, 0.2723, 0.3110



Deuteranomaly

72.8972, 0.2690, 0.2992



Tritanomaly

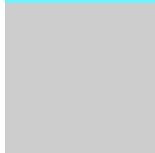
75.0361, 0.2459, 0.3126

Monochromacy



Original Color

75.2364, 0.2386, 0.3159



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.5368, 0.2774, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2364, 0.2386, 0.3159 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(110, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 244, 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(110, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.2364, 0.2386, 0.3159 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(110, 244, 255) }
```

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

```
.border{ border-color:rgb(110, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2364, 0.2386, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 244, 255) }
```

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

```
.background{ background-color: rgb(110,  
244, 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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