

Converting Colors

$Yxy(76.4472, 0.2363, 0.3193)$

Have a look what the booklet for
Yxy(76.4472, 0.2363, 0.3193)
contains.

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Color

Yxy(76.4509, 0.2363, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	64F7FF
RGB	100, 247, 255
RGB Percent	39%, 97%, 100%
CMY	0.6074, 0.0314, 0.0000
CMYK	0.61, 0.03, 0.00, 0.00
HSL	183°, 100%, 70%
HSV	183°, 61%, 100%
XYZ	56.5780, 76.4509, 106.4039
YIQ	203.9590, -90.1800, -28.6760

Conversions

Conversions Part 2

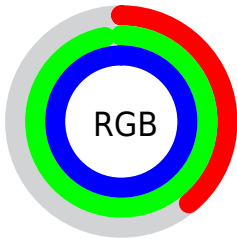
Format	Color
RYB	100, 175, 255
Decimal	6617087
CIELab	90.07, -36.59, -15.59
CIElCh	90, 39.772, 203.085
Yxy	76.4509, 0.2363, 0.3193
Android (android.graphics.Color)	4284807167 (0xFF64F7FF)
YUV	203.9590, 25.1632, -91.1720
Hunter-Lab	87.4362, -37.5101, -10.9466

Details

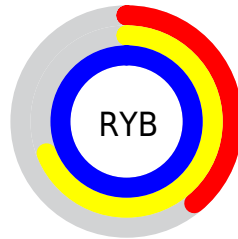
The Yxy color **76.4509, 0.2363, 0.3193** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.9323, 0.5006, 0.3370**, and the grayscale version is **60.2552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **74.4131, 0.2295, 0.3176**, and if you desaturate by 10%, it is **78.9517, 0.2451, 0.3211**.

Distribution



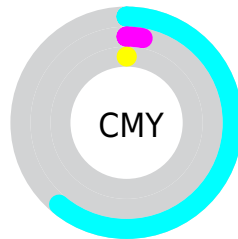
- Red (39%)
- Green (97%)
- Blue (100%)



- Red (39%)
- Yellow (69%)
- Blue (100%)



- Cyan (61%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4509, 0.2363, 0.3193 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 76.4509, 0.2363, 0.3193 by changing the saturation by 10% instead.


 76.4509, 0.2363,
0.3193

 76.4509, 0.2363,
0.3193


482.8898, 0.2703,
0.3248


 56.8023, 0.2289,
0.3178


 128.3641, 0.2478,
0.3214

 40.8466, 0.2199,
0.3159

 161.3975, 0.2524,
0.3221

 28.1992, 0.2088,
0.3133


 199.6612, 0.2564,
0.3228

 18.4759, 0.1948,
0.3097

243.5398, 0.2598,
0.3233

 11.2922, 0.1768,
0.3043

293.4176, 0.2629,
0.3238

 6.2637, 0.1526,
0.2958

349.6789, 0.2657,

 3.0061, 0.1195,

0.3242

0.2813

412.7082, 0.2681,
0.3245

■ 1.1349, 0.0385,
0.2626

■ 0.0076, 0.0000,
0.0068

■ 76.4509, 0.2363,
0.3193

■ 76.4509, 0.2363,
0.3193

■ 74.4131, 0.2295,
0.3176

■ 78.9517, 0.2451,
0.3211

■ 72.7908, 0.2246,
0.3158


■ 81.9504, 0.2557,
0.3228

■ 71.5324, 0.2216,
0.3141

■ 85.4826, 0.2679,
0.3245

■ 70.6146, 0.2201,
0.3125

■ 89.5795, 0.2815,
0.3261

 94.2700, 0.2961,
0.3275

99.5809, 0.3116,
0.3289

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.



76.4509, 0.2655, 0.3662



76.4509, 0.2363, 0.3193



76.4509, 0.2266, 0.2801

Triad

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



76.4509, 0.2363, 0.3193



76.4509, 0.3112, 0.2676



76.4509, 0.3914, 0.3991

Complementary

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



76.4509, 0.2363, 0.3193



32.9323, 0.5006, 0.3370

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.



76.4509, 0.4069, 0.3675



76.4509, 0.2363, 0.3193



76.4509, 0.3589, 0.2945

Square

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



76.4509, 0.2363, 0.3193



76.4509, 0.2673, 0.2543



76.4509, 0.3951, 0.3299



76.4509, 0.3548, 0.4143

Rectangle

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



76.4509, 0.2363, 0.3193



76.4509, 0.2316, 0.2632



76.4509, 0.3951, 0.3299



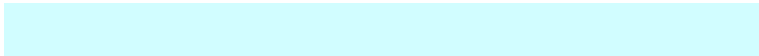
76.4509, 0.3994, 0.3898

Sweetspot

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



76.4520, 0.2363, 0.3193



90.8051, 0.2854, 0.3265



75.3152, 0.3007, 0.5179



19.1579, 0.2812, 0.3260



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.



76.4520, 0.2363, 0.3193



74.0119, 0.2282, 0.3172



38.6140, 0.2135, 0.2190



20.3109, 0.2980, 0.3277



36.9677, 0.2202, 0.3128



3.6468, 0.2208, 0.3147

Inverse Universe

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



37.1103, 0.3268, 0.1937



32.1133, 0.3296, 0.1767



57.0056, 0.4422, 0.4136



18.2832, 0.3146, 0.3068



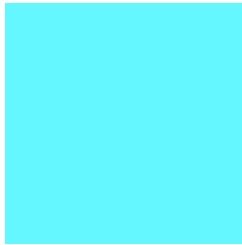
14.4599, 0.3343, 0.1615



1.4127, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 76.4509, 0.2363, 0.3193 looks on a white background.

Color Contrast Check

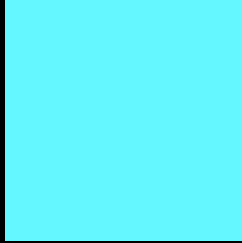
Large Text (above 18pt) WCAG AA × Fail

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 76.4509, 0.2363, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

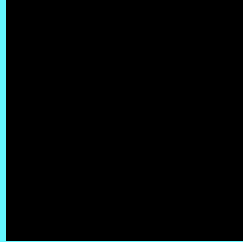
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4509, 0.2363, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 76.4509, 0.2363, 0.3193.

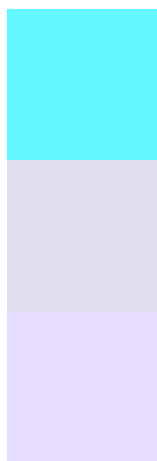


This preview shows how white text looks on a background with the Yxy color 76.4509, 0.2363, 0.3193.

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

76.4509, 0.2363, 0.3193

Protanopia

74.9139, 0.3025, 0.3111

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

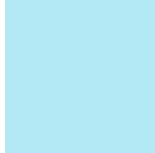
76.0242, 0.2534, 0.3118

Trichromacy



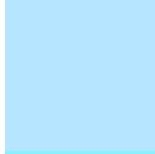
Original Color

76.4509, 0.2363, 0.3193



Protanomaly

73.8895, 0.2719, 0.3143



Deuteranomaly

73.7587, 0.2681, 0.3013



Tritanomaly

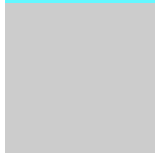
76.2267, 0.2463, 0.3150

Monochromacy



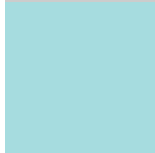
Original Color

76.4509, 0.2363, 0.3193



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.6211, 0.2750, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4509, 0.2363, 0.3193 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(100, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 247, 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(100, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.4509, 0.2363, 0.3193 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(100, 247, 255) }
```

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

```
.border{ border-color:rgb(100, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4509, 0.2363, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 247, 255) }
```

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

```
.background{ background-color: rgb(100,  
247, 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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