

Converting Colors

$Y_{xy}(75.2781, 0.2303, 0.3191)$

Have a look what the booklet for
Yxy(75.2781, 0.2303, 0.3191)
contains.

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Color

Yxy(75.3193, 0.2304, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	4DF7FF
RGB	77, 247, 255
RGB Percent	30%, 97%, 100%
CMY	0.6983, 0.0313, 0.0000
CMYK	0.70, 0.03, 0.00, 0.00
HSL	183°, 100%, 65%
HSV	183°, 70%, 100%
XYZ	54.3658, 75.3193, 106.2776
YIQ	197.0820, -103.8880, -33.5520

Conversions

Conversions Part 2

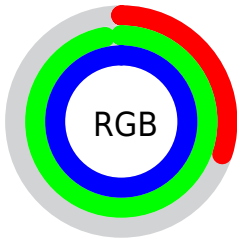
Format	Color
RYB	77, 164, 255
Decimal	5109759
CIELab	89.54, -39.88, -16.42
CIELCh	90, 43.124, 202.384
Yxy	75.3193, 0.2304, 0.3192
Android (android.graphics.Color)	4283299839 (0xFF4DF7FF)
YUV	197.0820, 28.5536, -105.3119
Hunter-Lab	86.7867, -40.0589, -11.8549

Details

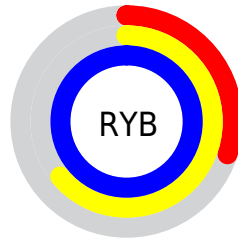
The Yxy color **75.3193, 0.2304, 0.3192** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **28.2781, 0.5445, 0.3361**, and the grayscale version is **55.7474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **73.7648, 0.2255, 0.3177**, and if you desaturate by 10%, it is **77.2990, 0.2373, 0.3207**.

Distribution



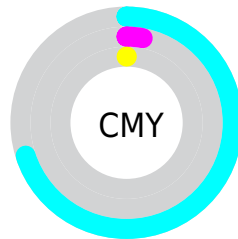
- Red (30%)
- Green (97%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3193, 0.2304, 0.3192 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 75.3193, 0.2304, 0.3192 by changing the saturation by 10% instead.


 75.3193, 0.2304,
0.3192

 75.3193, 0.2304,
0.3192


479.0143, 0.2670,
0.3249


 55.8745, 0.2224,
0.3176


 126.7642, 0.2428,
0.3214


 40.1023, 0.2128,
0.3156

 159.5332, 0.2477,
0.3222

 27.6183, 0.2009,
0.3128


 197.5123, 0.2520,
0.3229

 18.0382, 0.1860,
0.3088

 241.0860, 0.2557,
0.3234

 10.9774, 0.1667,
0.3030

290.6386, 0.2591,
0.3239

 6.0516, 0.1412,
0.2936


346.5547, 0.2620,


 2.8765, 0.1067,


0.3243


0.2774


409.2184, 0.2647,
0.3246

 1.0676, 0.0075,
0.2600


 0.0000, 0.0000,
0.0000

 75.3193, 0.2304,
0.3192


 75.3193, 0.2304,
0.3192

 73.7648, 0.2255,
0.3177


 77.2990, 0.2373,
0.3207


 72.5752, 0.2224,
0.3162

 79.7389, 0.2462,
0.3223

 71.6703, 0.2208,
0.3147

 82.6797, 0.2568,
0.3238

 71.6560, 0.2208,
0.3147

 86.1556, 0.2691,
0.3252

■ 90.1974, 0.2828,
0.3266

■ 94.8339, 0.2975,
0.3278

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



75.3193, 0.2622, 0.3709



75.3193, 0.2304, 0.3192



75.3193, 0.2196, 0.2763

Triad

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



75.3193, 0.2304, 0.3192



75.3193, 0.3097, 0.2622



75.3193, 0.3988, 0.4041

Complementary

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



75.3193, 0.2304, 0.3192



28.2781, 0.5445, 0.3361

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.



75.3193, 0.4154, 0.3692



75.3193, 0.2304, 0.3192



75.3193, 0.3618, 0.2908

Square

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



75.3193, 0.2304, 0.3192



75.3193, 0.2623, 0.2481



75.3193, 0.4019, 0.3286



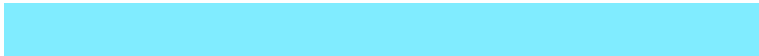
75.3193, 0.3592, 0.4220

Rectangle

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



75.3193, 0.2304, 0.3192



75.3193, 0.2247, 0.2579



75.3193, 0.4019, 0.3286



75.3193, 0.4074, 0.3937

Sweetspot

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



75.3221, 0.2304, 0.3192



89.6968, 0.2811, 0.3264



73.7160, 0.3005, 0.5487



18.9515, 0.2773, 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.



75.3221, 0.2304, 0.3192



73.2288, 0.2240, 0.3170



33.9455, 0.2017, 0.2033



20.3334, 0.2980, 0.3279



37.5037, 0.2208, 0.3149



3.6931, 0.2213, 0.3166

Inverse Universe

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



33.2732, 0.3277, 0.1797



29.4485, 0.3303, 0.1661



51.2608, 0.4680, 0.4186



18.2855, 0.3145, 0.3066



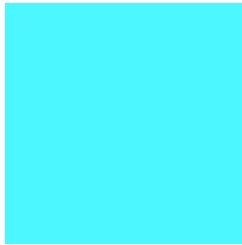
14.5140, 0.3325, 0.1605



1.4174, 0.3311, 0.1597

Previews

White Background



This preview shows how the Yxy color 75.3193, 0.2304, 0.3192 looks on a white background.

Color Contrast Check

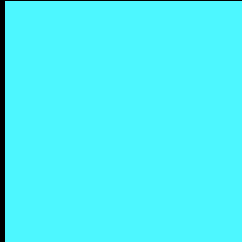
Large Text (above 18pt) WCAG AA × Fail

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 75.3193, 0.2304, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

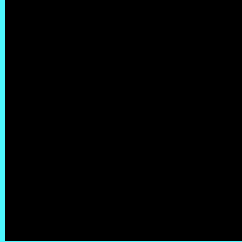
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3193, 0.2304, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 75.3193, 0.2304, 0.3192.

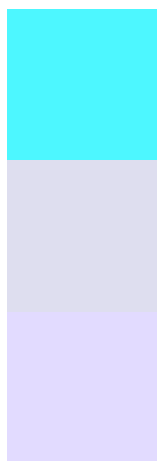


This preview shows how white text looks on a background with the Yxy color 75.3193, 0.2304, 0.3192.

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

75.3193, 0.2304, 0.3192

Protanopia

74.0041, 0.3018, 0.3110

Deuteranopia

74.0518, 0.2946, 0.2918



Tritanopia

74.9434, 0.2481, 0.3115

Trichromacy



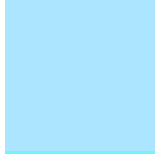
Original Color

75.3193, 0.2304, 0.3192



Protanomaly

72.1794, 0.2663, 0.3129



Deuteranomaly

72.0293, 0.2625, 0.2998



Tritanomaly

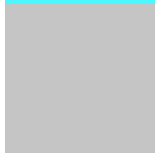
75.0342, 0.2404, 0.3147

Monochromacy



Original Color

75.3193, 0.2304, 0.3192



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

60.4351, 0.2695, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3193, 0.2304, 0.3192 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(77, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.3193, 0.2304, 0.3192 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(77, 247, 255) }
```

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

```
.border{ border-color:rgb(77, 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(77, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3193, 0.2304, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 247, 255) }
```

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

```
.background{ background-color: rgb(77, 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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