

Converting Colors

$Y_{xy}(74.4096, 0.2317, 0.3167)$

Have a look what the booklet for
Yxy(74.4096, 0.2317, 0.3167)
contains.

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Color

Yxy(74.4561, 0.2317, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	55F5FF
RGB	85, 245, 255
RGB Percent	33%, 96%, 100%
CMY	0.6663, 0.0392, 0.0000
CMYK	0.67, 0.04, 0.00, 0.00
HSL	184°, 100%, 67%
HSV	184°, 67%, 100%
XYZ	54.4554, 74.4561, 106.1140
YIQ	198.3000, -98.5700, -30.8100

Conversions

Conversions Part 2

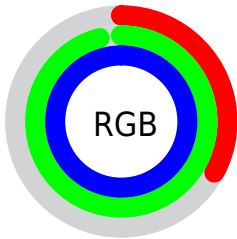
Format	Color
R_{YB}	85, 167, 255
Decimal	5633535
CIE _{Lab}	89.14, -37.90, -17.02
CIE _{LCh}	89, 41.548, 204.180
Yxy	74.4561, 0.2317, 0.3168
Android (android.graphics.Color)	4283823615 (0xFF55F5FF)
YUV	198.3000, 27.9531, -99.3641
Hunter-Lab	86.2879, -38.3544, -12.5113

Details

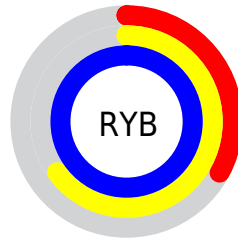
The Yxy color **74.4561, 0.2317, 0.3168** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.1203, 0.5276, 0.3382**, and the grayscale version is **56.5525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **40.0437, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **72.5659, 0.2260, 0.3148**, and if you desaturate by 10%, it is **76.7882, 0.2394, 0.3188**.

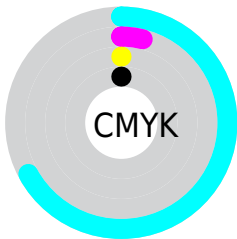
Distribution



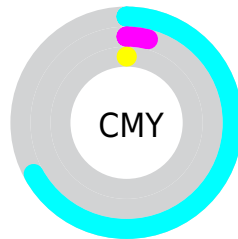
- Red (33%)
- Green (96%)
- Blue (100%)



- Red (33%)
- Yellow (65%)
- Blue (100%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4561, 0.2317, 0.3168 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 74.4561, 0.2317, 0.3168 by changing the saturation by 10% instead.


 74.4561, 0.2317,
0.3168


 74.4561, 0.2317,
0.3168


476.0460, 0.2678,
0.3236


 55.1674, 0.2238,
0.3150


 125.5421, 0.2439,
0.3194


 39.5358, 0.2143,
0.3126


 158.1083, 0.2488,
0.3203

 27.1768, 0.2025,
0.3095


 195.8691, 0.2530,
0.3211

 17.7060, 0.1877,
0.3051

 239.2089, 0.2567,
0.3218

 10.7391, 0.1685,
0.2986

288.5121, 0.2600,
0.3223

 5.8917, 0.1431,
0.2884

344.1631, 0.2629,

 2.7793, 0.1086,

0.3228

0.2711

406.5463, 0.2655,
0.3232

■ 1.0176, 0.0089,
0.2515

■ 0.0000, 0.0000,
0.0000

■ 74.4561, 0.2317,
0.3168

■ 74.4561, 0.2317,
0.3168

■ 72.5659, 0.2260,
0.3148

■ 76.7882, 0.2394,
0.3188

■ 71.0620, 0.2221,
0.3128

■ 79.5967, 0.2490,
0.3208

■ 69.8856, 0.2200,
0.3108

■ 82.9206, 0.2604,
0.3228

■ 69.5317, 0.2195,
0.3102

■ 86.7928, 0.2733,
0.3246

■ 91.2436, 0.2874,
0.3264

■ 96.3009, 0.3024,
0.3280

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.



74.4561, 0.2615, 0.3666



74.4561, 0.2317, 0.3168



74.4561, 0.2224, 0.2761

Triad

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



74.4561, 0.2317, 0.3168



74.4561, 0.3129, 0.2655



74.4561, 0.3943, 0.4035

Complementary

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



74.4561, 0.2317, 0.3168



30.1203, 0.5276, 0.3382

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.



74.4561, 0.4119, 0.3705



74.4561, 0.2317, 0.3168



74.4561, 0.3631, 0.2940

Square

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



74.4561, 0.2317, 0.3168



74.4561, 0.2663, 0.2509



74.4561, 0.4005, 0.3312



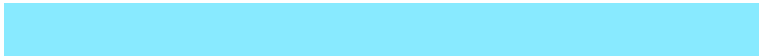
74.4561, 0.3551, 0.4191

Rectangle

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



74.4561, 0.2317, 0.3168



74.4561, 0.2282, 0.2590



74.4561, 0.4005, 0.3312



74.4561, 0.4031, 0.3938

Sweetspot

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



74.4584, 0.2317, 0.3168



89.6764, 0.2825, 0.3258



74.2568, 0.3000, 0.5365



18.9259, 0.2785, 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.



74.4584, 0.2317, 0.3168



72.0181, 0.2245, 0.3141



34.8398, 0.2050, 0.2062



20.2873, 0.2980, 0.3275



36.4107, 0.2196, 0.3105



3.5987, 0.2202, 0.3127

Inverse Universe

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



34.3649, 0.3293, 0.1856



30.0980, 0.3326, 0.1708



53.9753, 0.4573, 0.4190



18.2808, 0.3147, 0.3069



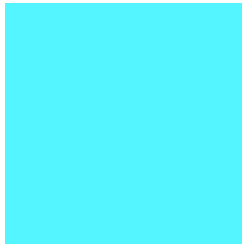
14.4037, 0.3363, 0.1626



1.4078, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 74.4561, 0.2317, 0.3168 looks on a white background.

Color Contrast Check

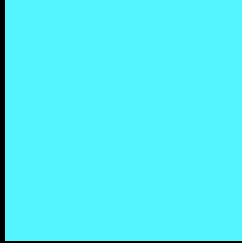
Large Text (above 18pt) WCAG AA × Fail

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 74.4561, 0.2317, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

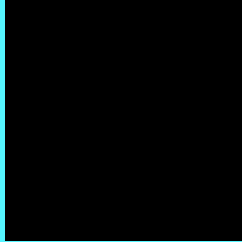
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.4561, 0.2317, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 74.4561, 0.2317, 0.3168.

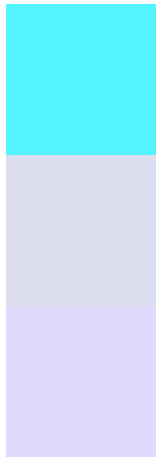


This preview shows how white text looks on a background with the Yxy color 74.4561, 0.2317, 0.3168.

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

74.4561, 0.2317, 0.3168

Protanopia

73.3763, 0.3005, 0.3088

Deuteranopia

73.2101, 0.2932, 0.2906



Tritanopia

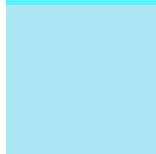
74.0213, 0.2463, 0.3103

Trichromacy



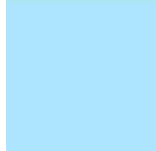
Original Color

74.4561, 0.2317, 0.3168



Protanomaly

71.9569, 0.2678, 0.3118



Deuteranomaly

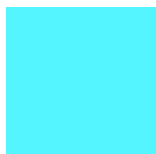
71.5910, 0.2629, 0.2986



Tritanomaly

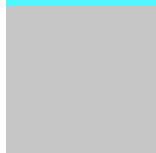
73.8436, 0.2399, 0.3123

Monochromacy



Original Color

74.4561, 0.2317, 0.3168



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.8834, 0.2713, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4561, 0.2317, 0.3168 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(85, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.4561, 0.2317, 0.3168 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(85, 245, 255) }
```

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

```
.border{ border-color:rgb(85, 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(85, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(85, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4561, 0.2317, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 245, 255) }
```

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

```
.background{ background-color: rgb(85, 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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