

Converting Colors

$Y_{xy}(76.2649, 0.2321, 0.3206)$

Have a look what the booklet for
Yxy(76.2649, 0.2321, 0.3206)
contains.

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Color

Yxy(76.1938, 0.2321, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	53F8FF
RGB	83, 248, 255
RGB Percent	33%, 97%, 100%
CMY	0.6740, 0.0275, 0.0000
CMYK	0.67, 0.03, 0.00, 0.00
HSL	182°, 100%, 66%
HSV	182°, 67%, 100%
XYZ	55.1953, 76.1938, 106.4192
YIQ	199.4630, -100.5870, -32.8030

Conversions

Conversions Part 2

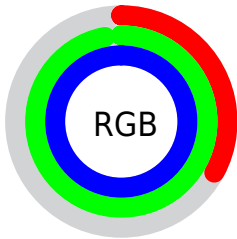
Format	Color
R _Y B	83, 167, 255
Decimal	5503231
CIE Lab	89.95, -39.53, -15.81
CIE LCh	90, 42.573, 201.798
Yxy	76.1938, 0.2321, 0.3204
Android (android.graphics.Color)	4283693311 (0xFF53F8FF)
YUV	199.4630, 27.3797, -102.1381
Hunter-Lab	87.2891, -39.8853, -11.1816

Details

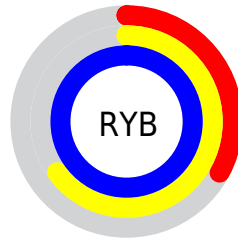
The Yxy color **76.1938, 0.2321, 0.3204** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **29.2241, 0.5336, 0.3355**, and the grayscale version is **57.3107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **74.6013, 0.2267, 0.3190**, and if you desaturate by 10%, it is **78.2197, 0.2394, 0.3218**.

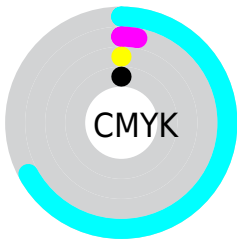
Distribution



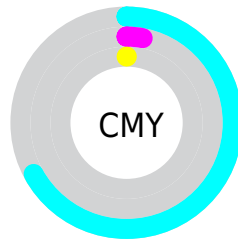
- Red (33%)
- Green (97%)
- Blue (100%)



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



- Cyan (67%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1938, 0.2321, 0.3204 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 76.1938, 0.2321, 0.3204 by changing the saturation by 10% instead.

 76.1938, 0.2321,
0.3204

 76.1938, 0.2321,
0.3204


482.0109, 0.2679,
0.3255


 56.5914, 0.2243,
0.3190

 128.0008, 0.2442,
0.3224


 40.6773, 0.2149,
0.3171

 160.9743, 0.2490,
0.3231

 28.0670, 0.2032,
0.3146


 199.1735, 0.2532,
0.3237

 18.3762, 0.1886,
0.3110

 242.9830, 0.2569,
0.3242

 11.2204, 0.1698,
0.3056

292.7871, 0.2601,
0.3246

 6.2153, 0.1448,
0.2970


348.9701, 0.2630,

 2.9764, 0.1108,


0.3249


0.2821


411.9166, 0.2656,
0.3252


 1.1194, 0.0194,
0.2651


 0.0000, 0.0000,
0.0000


 76.1938, 0.2321,
0.3204


 76.1938, 0.2321,
0.3204

 74.6013, 0.2267,
0.3190


 78.2197, 0.2394,
0.3218

 73.3878, 0.2233,
0.3177

 80.7158, 0.2487,
0.3232

 72.4908, 0.2214,
0.3163

 83.7208, 0.2598,
0.3245

 72.2844, 0.2211,
0.3160

 87.2678, 0.2724,
0.3258

■ 91.3873, 0.2863,
0.3271

■ 96.1073, 0.3012,
0.3282

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.



76.1938, 0.2638, 0.3711



76.1938, 0.2321, 0.3204



76.1938, 0.2210, 0.2779

Triad

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



76.1938, 0.2321, 0.3204



76.1938, 0.3087, 0.2628



76.1938, 0.3980, 0.4025

Complementary

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



76.1938, 0.2321, 0.3204



29.2241, 0.5336, 0.3355

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.



76.1938, 0.4137, 0.3679



76.1938, 0.2321, 0.3204



76.1938, 0.3601, 0.2907

Square

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



76.1938, 0.2321, 0.3204



76.1938, 0.2624, 0.2492



76.1938, 0.3999, 0.3280



76.1938, 0.3594, 0.4203

Rectangle

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



76.1938, 0.2321, 0.3204



76.1938, 0.2257, 0.2595



76.1938, 0.3999, 0.3280



76.1938, 0.4063, 0.3922

Sweetspot

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



76.1955, 0.2321, 0.3204



90.2577, 0.2826, 0.3268



74.0845, 0.3008, 0.5416



19.0676, 0.2786, 0.3264



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.



76.1955, 0.2321, 0.3204



74.1230, 0.2253, 0.3185



35.3813, 0.2049, 0.2084



20.3469, 0.2980, 0.3280



37.8262, 0.2212, 0.3162



3.7209, 0.2216, 0.3177

Inverse Universe

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



34.2449, 0.3265, 0.1824



30.1003, 0.3289, 0.1677



52.4685, 0.4617, 0.4169



18.2868, 0.3144, 0.3065



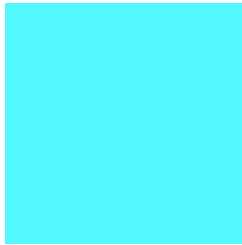
14.5465, 0.3314, 0.1599



1.4202, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 76.1938, 0.2321, 0.3204 looks on a white background.

Color Contrast Check

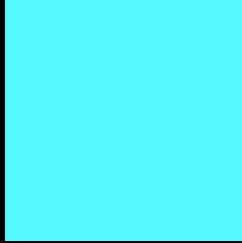
Large Text (above 18pt) WCAG AA × Fail

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 76.1938, 0.2321, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

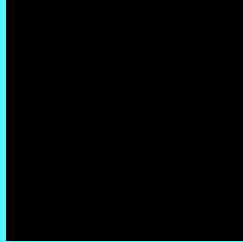
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1938, 0.2321, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 76.1938, 0.2321, 0.3204.

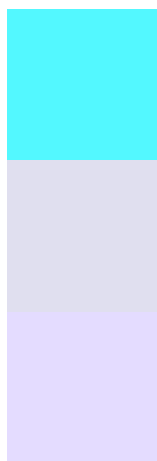


This preview shows how white text looks on a background with the Yxy color 76.1938, 0.2321, 0.3204.

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

76.1938, 0.2321, 0.3204

Protanopia

74.8546, 0.3032, 0.3121

Deuteranopia

74.9004, 0.2959, 0.2930



Tritanopia

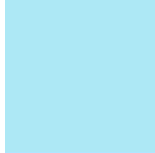
75.5599, 0.2512, 0.3117

Trichromacy



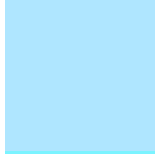
Original Color

76.1938, 0.2321, 0.3204



Protanomaly

73.1900, 0.2686, 0.3142



Deuteranomaly

72.9276, 0.2643, 0.3010



Tritanomaly

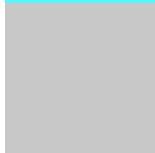
75.5321, 0.2429, 0.3148

Monochromacy



Original Color

76.1938, 0.2321, 0.3204



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.0621, 0.2716, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1938, 0.2321, 0.3204 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(83, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 248, 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(83, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.1938, 0.2321, 0.3204 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(83, 248, 255) }
```

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

```
.border{ border-color:rgb(83, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1938, 0.2321, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 248, 255) }
```

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

```
.background{ background-color: rgb(83, 248,  
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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