

Converting Colors

$Y_{xy}(45.0969, 0.2061, 0.2445)$

Have a look what the booklet for
Yxy(45.0969, 0.2061, 0.2445)
contains.

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Color

Yxy(45.1854, 0.2061, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	33BFFF
RGB	51, 191, 255
RGB Percent	20%, 75%, 100%
CMY	0.8008, 0.2509, 0.0000
CMYK	0.80, 0.25, 0.00, 0.00
HSL	199°, 100%, 60%
HSV	199°, 80%, 100%
XYZ	38.0421, 45.1854, 101.3534
YIQ	156.4360, -103.9840, -9.7760

Conversions

Conversions Part 2

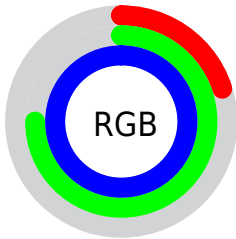
Format	Color
R _Y B	51, 134, 255
Decimal	3391487
CIE Lab	73.01, -15.20, -41.81
CIE LCh	73, 44.485, 250.018
Yxy	45.1854, 0.2061, 0.2448
Android (android.graphics.Color)	4281581567 (0xFF33BFFF)
YUV	156.4360, 48.5921, -92.4674
Hunter-Lab	67.2201, -16.6160, -42.3424

Details

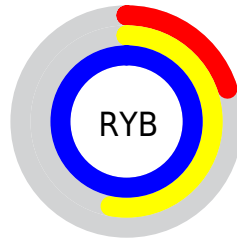
The Yxy color **45.1854, 0.2061, 0.2448** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.7097, 0.5402, 0.3799**, and the grayscale version is **33.2380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4087, 0.2460, 0.3196**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.3056, 0.1995, 0.2328**, and if you desaturate by 10%, it is **49.6160, 0.2148, 0.2570**.

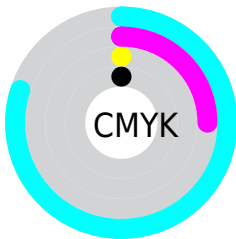
Distribution



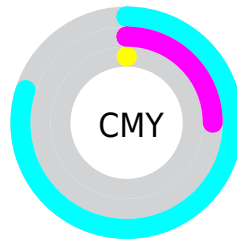
- Red (20%)
- Green (75%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1854, 0.2061, 0.2448 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 45.1854, 0.2061, 0.2448 by changing the saturation by 10% instead.


 45.1854, 0.2061,
0.2448


 45.1854, 0.2061,
0.2448


367.5239, 0.2566,
0.2866

 31.6035, 0.1946,
0.2348


 82.9986, 0.2237,
0.2597


 21.0588, 0.1805,
0.2223


 107.9986, 0.2305,
0.2654

 13.1670, 0.1630,
0.2063


 137.5734, 0.2364,
0.2703

 7.5436, 0.1408,
0.1853

 172.1075, 0.2415,
0.2744

 3.8044, 0.1125,
0.1573

211.9852, 0.2460,
0.2781

 1.5647, 0.0769,
0.1193

257.5909, 0.2499,

 0.3336, 0.0000,

0.2813

0.0558

309.3090, 0.2535,
0.2841

■ 0.0000, 0.0000,
0.0000

■ 45.1854, 0.2061,
0.2448

■ 45.1854, 0.2061,
0.2448

■ 41.3056, 0.1995,
0.2328

■ 49.6160, 0.2148,
0.2570

■ 37.9163, 0.1948,
0.2211

■ 54.6545, 0.2255,
0.2690

■ 60.3467, 0.2378,
0.2806

■ 66.7334, 0.2515,
0.2918

■ 73.8515, 0.2662,
0.3023

■ 81.7348, 0.2815,
0.3120

■ 90.4146, 0.2971,
0.3209

99.9202, 0.3126,
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.



45.1854, 0.2033, 0.2827



45.1854, 0.2061, 0.2448



45.1854, 0.2335, 0.2314

Triad

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



45.1854, 0.2061, 0.2448



45.1854, 0.4049, 0.3080



45.1854, 0.3324, 0.4413

Complementary

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



45.1854, 0.2061, 0.2448



33.7097, 0.5402, 0.3799

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.



45.1854, 0.3902, 0.4364



45.1854, 0.2061, 0.2448



45.1854, 0.4361, 0.3555

Square

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



45.1854, 0.2061, 0.2448



45.1854, 0.3464, 0.2673



45.1854, 0.4294, 0.4020



45.1854, 0.2724, 0.4051

Rectangle

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



45.1854, 0.2061, 0.2448



45.1854, 0.2644, 0.2349



45.1854, 0.4294, 0.4020



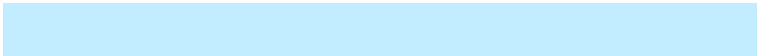
45.1854, 0.3528, 0.4440

Sweetspot

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



45.1847, 0.2061, 0.2448



78.5516, 0.2755, 0.3083



73.3896, 0.2843, 0.5211



16.2163, 0.2700, 0.3048



0.0000, 0.0000, 0.0000



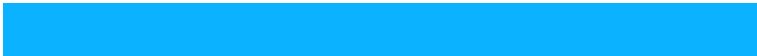
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1847, 0.2061, 0.2448



39.2420, 0.1965, 0.2258



15.5099, 0.1717, 0.1148



19.4647, 0.2980, 0.3214



20.0913, 0.1953, 0.2231



2.1518, 0.1991, 0.2366

Inverse Universe

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



27.3718, 0.3955, 0.2089



24.7074, 0.4168, 0.2084



69.6709, 0.4434, 0.4686



18.1978, 0.3186, 0.3128



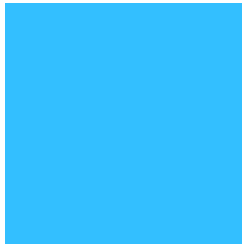
12.7562, 0.4200, 0.2087



1.2618, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 45.1854, 0.2061, 0.2448 looks on a white background.

Color Contrast Check

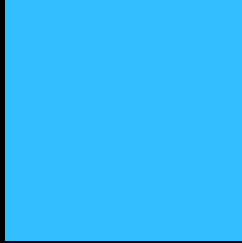
Large Text (above 18pt) WCAG AA × Fail

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 45.1854, 0.2061, 0.2448 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

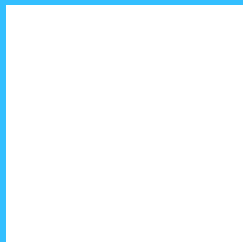
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1854, 0.2061, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 45.1854, 0.2061, 0.2448.



This preview shows how white text looks on a background with the Yxy color 45.1854, 0.2061, 0.2448.

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

45.1854, 0.2061, 0.2448

Protanopia

44.4001, 0.2520, 0.2453

Deuteranopia

44.8673, 0.2392, 0.2343



Tritanopia

45.1923, 0.2185, 0.3067

Trichromacy



Original Color

45.1854, 0.2061, 0.2448

Protanomaly

43.6851, 0.2288, 0.2442

Deuteranomaly

44.1206, 0.2223, 0.2365

Tritanomaly

44.7602, 0.2127, 0.2819

Monochromacy



Original Color

45.1854, 0.2061, 0.2448

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

36.0333, 0.2547, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1854, 0.2061, 0.2448 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(51, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 191, 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(51, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1854, 0.2061, 0.2448 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(51, 191, 255) }
```

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

```
.border{ border-color:rgb(51, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1854, 0.2061, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 191, 255) }
```

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

```
.background{ background-color: rgb(51, 191,  
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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