

Converting Colors

$Y_{xy}(45.1352, 0.2091, 0.2438)$

Have a look what the booklet for
Yxy(45.1352, 0.2091, 0.2438)
contains.

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Color

Yxy(45.2402, 0.2093, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	43BEFF
RGB	67, 190, 255
RGB Percent	26%, 75%, 100%
CMY	0.7364, 0.2550, 0.0000
CMYK	0.74, 0.25, 0.00, 0.00
HSL	201°, 100%, 63%
HSV	201°, 74%, 100%
XYZ	38.7906, 45.2402, 101.3039
YIQ	160.6330, -94.1730, -5.8610

Conversions

Conversions Part 2

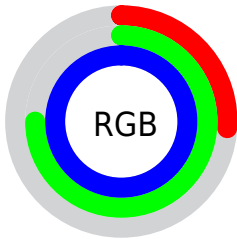
Format	Color
R _{YB}	67, 141, 255
Decimal	4439807
CIE _{Lab}	73.05, -12.96, -41.71
CIE _{LCh}	73, 43.679, 252.745
Y _{xy}	45.2402, 0.2093, 0.2441
Android (android.graphics.Color)	4282629887 (0xFF43BEFF)
Y _{UV}	160.6330, 46.5229, -82.1161
Hunter-Lab	67.2608, -14.7623, -42.2162

Details

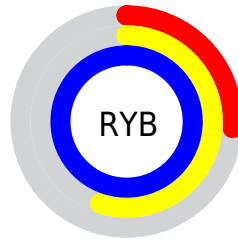
The Yxy color **45.2402, 0.2093, 0.2441** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **38.2378, 0.5114, 0.3868**, and the grayscale version is **35.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5348, 0.2494, 0.3185**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.8168, 0.2009, 0.2306**, and if you desaturate by 10%, it is **50.2938, 0.2198, 0.2576**.

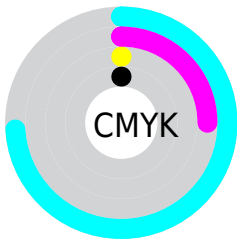
Distribution



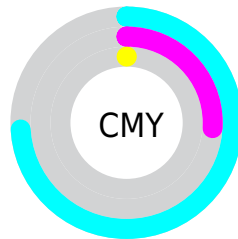
- Red (26%)
- Green (75%)
- Blue (100%)



- Red (26%)
- Yellow (55%)
- Blue (100%)



- Cyan (74%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (74%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2402, 0.2093, 0.2441 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 45.2402, 0.2093, 0.2441 by changing the saturation by 10% instead.

45.2402, 0.2093,
0.2441

45.2402, 0.2093,
0.2441

367.7455, 0.2584,
0.2860

31.6467, 0.1981,
0.2341

83.0807, 0.2264,
0.2591

21.0918, 0.1843,
0.2216

108.0965, 0.2331,
0.2648

13.1911, 0.1671,
0.2056

137.6885, 0.2388,
0.2696

7.5603, 0.1453,
0.1848

172.2411, 0.2437,
0.2738

3.8149, 0.1173,
0.1569

212.1388, 0.2481,
0.2775

1.5706, 0.0816,
0.1192

257.7658, 0.2519,

0.3376, 0.0008,

0.2807

0.0564

309.5065, 0.2554,
0.2835

■ 0.0000, 0.0000,
0.0000

■ 45.2402, 0.2093,
0.2441

■ 45.2402, 0.2093,
0.2441

■ 40.8168, 0.2009,
0.2306

■ 50.2938, 0.2198,
0.2576

■ 36.9607, 0.1946,
0.2174

■ 56.0252, 0.2321,
0.2707

■ 34.7490, 0.1914,
0.2091

■ 62.4790, 0.2458,
0.2834

■ 69.6942, 0.2605,
0.2953

■ 77.7066, 0.2758,
0.3064

■ 86.5494, 0.2915,
0.3166

■ 96.2534, 0.3071,
0.3259

■ 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.



45.2402, 0.2043, 0.2793



45.2402, 0.2093, 0.2441



45.2402, 0.2384, 0.2329

Triad

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



45.2402, 0.2093, 0.2441



45.2402, 0.4073, 0.3125



45.2402, 0.3267, 0.4375

Complementary

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



45.2402, 0.2093, 0.2441



38.2378, 0.5114, 0.3868

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.



45.2402, 0.3843, 0.4364



45.2402, 0.2093, 0.2441



45.2402, 0.4348, 0.3595

Square

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



45.2402, 0.2093, 0.2441



45.2402, 0.3516, 0.2715



45.2402, 0.4250, 0.4048



45.2402, 0.2683, 0.3986

Rectangle

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



45.2402, 0.2093, 0.2441



45.2402, 0.2701, 0.2376



45.2402, 0.4250, 0.4048



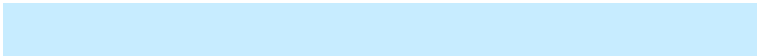
45.2402, 0.3468, 0.4415

Sweetspot

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



45.2410, 0.2093, 0.2441



79.0948, 0.2784, 0.3082



74.3284, 0.2814, 0.4968



16.4393, 0.2742, 0.3053



0.0000, 0.0000, 0.0000



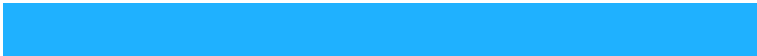
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2410, 0.2093, 0.2441



39.0678, 0.1979, 0.2248



17.2555, 0.1788, 0.1244



19.3604, 0.2980, 0.3206



18.4469, 0.1920, 0.2112



2.0004, 0.1962, 0.2262

Inverse Universe

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



29.0188, 0.3948, 0.2180



25.4055, 0.4171, 0.2133



74.8210, 0.4307, 0.4682



18.1872, 0.3191, 0.3136



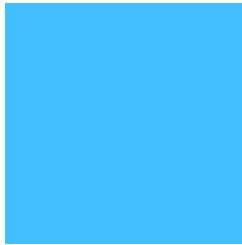
12.5902, 0.4327, 0.2158



1.2465, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 45.2402, 0.2093, 0.2441 looks on a white background.

Color Contrast Check

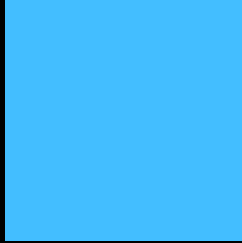
Large Text (above 18pt) WCAG AA × Fail

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 45.2402, 0.2093, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

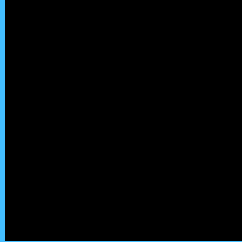
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

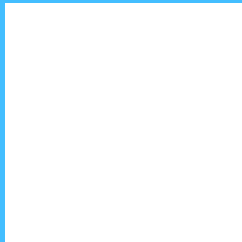
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2402, 0.2093, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 45.2402, 0.2093, 0.2441.



This preview shows how white text looks on a background with the Yxy color 45.2402, 0.2093, 0.2441.

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

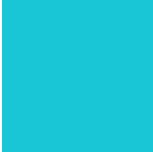
45.2402, 0.2093, 0.2441

Protanopia

44.8514, 0.2516, 0.2456

Deuteranopia

44.8673, 0.2392, 0.2343



Tritanopia

45.4499, 0.2199, 0.3053

Trichromacy



Original Color

45.2402, 0.2093, 0.2441

Protanomaly

44.1850, 0.2313, 0.2438

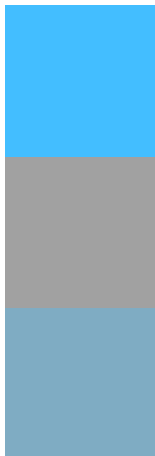
Deuteranomaly

44.5274, 0.2250, 0.2372

Tritanomaly

45.1385, 0.2149, 0.2809

Monochromacy



Original Color

45.2402, 0.2093, 0.2441

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.9572, 0.2596, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2402, 0.2093, 0.2441 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(67, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 190, 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(67, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2402, 0.2093, 0.2441 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(67, 190, 255) }
```

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

```
.border{ border-color:rgb(67, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2402, 0.2093, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 190, 255) }
```

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

```
.background{ background-color: rgb(67, 190,  
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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