

Converting Colors

$Y_{xy}(45.3780, 0.2091, 0.2446)$

Have a look what the booklet for
Yxy(45.3780, 0.2091, 0.2446)
contains.

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Color

Yxy(45.2052, 0.2090, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	42BEFF
RGB	66, 190, 255
RGB Percent	26%, 75%, 100%
CMY	0.7414, 0.2549, 0.0001
CMYK	0.74, 0.25, 0.00, 0.00
HSL	201°, 100%, 63%
HSV	201°, 74%, 100%
XYZ	38.7050, 45.2052, 101.2811
YIQ	160.3340, -94.7690, -6.0730

Conversions

Conversions Part 2

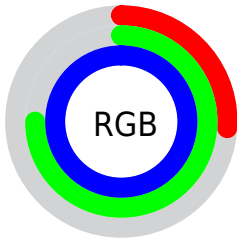
Format	Color
R _{YB}	66, 141, 255
Decimal	4374271
CIE Lab	73.03, -13.13, -41.74
CIE LCh	73, 43.755, 252.538
Yxy	45.2052, 0.2090, 0.2441
Android (android.graphics.Color)	4282564351 (0xFF42BEFF)
YUV	160.3340, 46.6703, -82.7309
Hunter-Lab	67.2348, -14.9040, -42.2489

Details

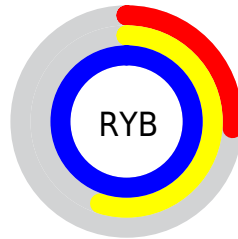
The Yxy color **45.2052, 0.2090, 0.2441** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **37.8620, 0.5136, 0.3864**, and the grayscale version is **35.1233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4499, 0.2490, 0.3185**, and **21.9685, 0.1958, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **40.8270, 0.2007, 0.2307**, and if you desaturate by 10%, it is **50.2090, 0.2194, 0.2575**.

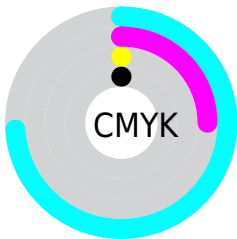
Distribution



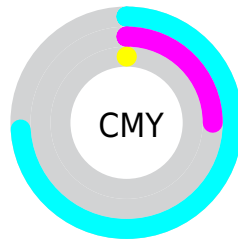
- Red (26%)
- Green (75%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2052, 0.2090, 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 45.2052, 0.2090, 0.2441 by changing the saturation by 10% instead.

 45.2052, 0.2090,
0.2441

 45.2052, 0.2090,
0.2441


367.6040, 0.2583,
0.2861


 31.6191, 0.1977,
0.2341


 83.0283, 0.2262,
0.2591


 21.0707, 0.1839,
0.2216


 108.0340, 0.2328,
0.2648

 13.1757, 0.1667,
0.2056


 137.6150, 0.2386,
0.2696

 7.5496, 0.1448,
0.1847

 172.1558, 0.2435,
0.2738

 3.8082, 0.1168,
0.1568

212.0407, 0.2479,
0.2775

 1.5668, 0.0812,
0.1191

257.6541, 0.2518,

 0.3351, 0.0000,

0.2807

0.0561

309.3804, 0.2552,
0.2835

■ 0.0000, 0.0000,
0.0000

■ 45.2052, 0.2090,
0.2441

■ 45.2052, 0.2090,
0.2441

■ 40.8270, 0.2007,
0.2307

■ 50.2090, 0.2194,
0.2575

■ 37.0089, 0.1945,
0.2176

■ 55.8842, 0.2315,
0.2705

■ 34.9825, 0.1917,
0.2100

■ 62.2762, 0.2451,
0.2831

■ 69.4243, 0.2598,
0.2950

■ 77.3643, 0.2751,
0.3061

■ 86.1292, 0.2907,
0.3162

■ 95.7502, 0.3063,
0.3255

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



45.2052, 0.2042, 0.2795



45.2052, 0.2090, 0.2441



45.2052, 0.2380, 0.2327

Triad

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



45.2052, 0.2090, 0.2441



45.2052, 0.4072, 0.3122



45.2052, 0.3271, 0.4378

Complementary

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



45.2052, 0.2090, 0.2441



37.8620, 0.5136, 0.3864

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.



45.2052, 0.3848, 0.4365



45.2052, 0.2090, 0.2441



45.2052, 0.4350, 0.3593

Square

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



45.2052, 0.2090, 0.2441



45.2052, 0.3513, 0.2711



45.2052, 0.4254, 0.4046



45.2052, 0.2685, 0.3991

Rectangle

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



45.2052, 0.2090, 0.2441



45.2052, 0.2697, 0.2373



45.2052, 0.4254, 0.4046



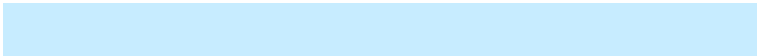
45.2052, 0.3473, 0.4418

Sweetspot

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



45.2068, 0.2090, 0.2441



79.1768, 0.2784, 0.3083



74.2518, 0.2814, 0.4980



16.4588, 0.2742, 0.3055



0.0000, 0.0000, 0.0000



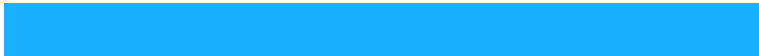
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2068, 0.2090, 0.2441



38.9092, 0.1974, 0.2243



17.0088, 0.1781, 0.1231



19.3684, 0.2980, 0.3206



18.5703, 0.1923, 0.2122



2.0118, 0.1964, 0.2270

Inverse Universe

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



28.8657, 0.3949, 0.2173



25.2669, 0.4177, 0.2128



74.6824, 0.4313, 0.4687



18.1880, 0.3191, 0.3135



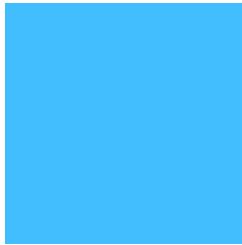
12.6026, 0.4317, 0.2152



1.2476, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 45.2052, 0.2090, 0.2441 looks on a white background.

Color Contrast Check

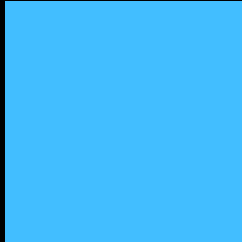
Large Text (above 18pt) WCAG AA × Fail

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 45.2052, 0.2090, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

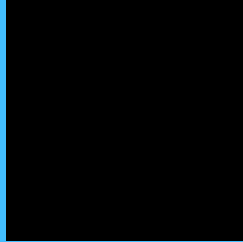
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

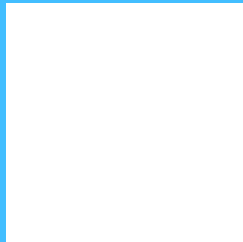
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2052, 0.2090, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 45.2052, 0.2090, 0.2441.



This preview shows how white text looks on a background with the Yxy color 45.2052, 0.2090, 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

45.2052, 0.2090, 0.2441

Protanopia

44.8514, 0.2516, 0.2456

Deuteranopia

44.8673, 0.2392, 0.2343



Tritanopia

45.4026, 0.2195, 0.3053

Trichromacy



Original Color

45.2052, 0.2090, 0.2441

Protanomaly

44.1850, 0.2313, 0.2438

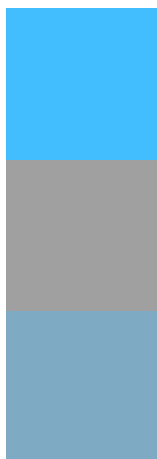
Deuteranomaly

44.5274, 0.2250, 0.2372

Tritanomaly

45.0807, 0.2144, 0.2808

Monochromacy



Original Color

45.2052, 0.2090, 0.2441

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.5016, 0.2587, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2052, 0.2090, 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(66, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2052, 0.2090, 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(66, 190, 255) }
```

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

```
.border{ border-color:rgb(66, 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(66, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2052, 0.2090, 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(66, 190, 255) }
```

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

```
.background{ background-color: rgb(66, 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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