

Converting Colors

$Y_{xy}(45.2827, 0.2203, 0.2601)$

Have a look what the booklet for
Yxy(45.2827, 0.2203, 0.2601)
contains.

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Color

Yxy(45.2640, 0.2201, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	57BEF2
RGB	87, 190, 242
RGB Percent	34%, 75%, 95%
CMY	0.6585, 0.2549, 0.0510
CMYK	0.64, 0.21, 0.00, 0.05
HSL	200°, 86%, 65%
HSV	200°, 64%, 95%
XYZ	38.3768, 45.2640, 90.7198
YIQ	165.1310, -78.0800, -5.6640

Conversions

Conversions Part 2

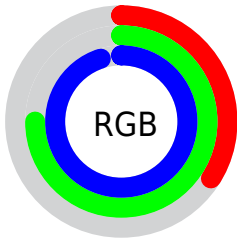
Format	Color
R _{YB}	87, 149, 242
Decimal	5750514
CIE _{Lab}	73.07, -14.35, -34.64
CIE _{LCh}	73, 37.489, 247.499
Y _{xy}	45.2640, 0.2201, 0.2596
Android (android.graphics.Color)	4283940594 (0xFF57BEF2)
YUV	165.1310, 37.8964, -68.5209
Hunter-Lab	67.2785, -15.9181, -32.8529

Details

The Yxy color **45.2640, 0.2201, 0.2596** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **38.0611, 0.4782, 0.3824**, and the grayscale version is **37.5472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6156, 0.2545, 0.3187**, and **21.4365, 0.2003, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **40.8662, 0.2098, 0.2466**, and if you desaturate by 10%, it is **50.2516, 0.2321, 0.2723**.

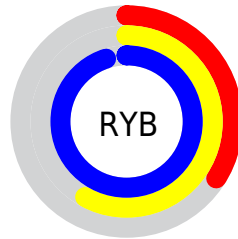
Distribution



Red (34%)

Green (75%)

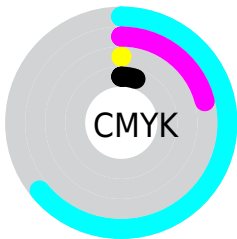
Blue (95%)



Red (34%)

Yellow (58%)

Blue (95%)

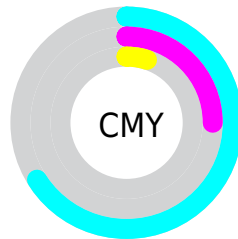


Cyan (64%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (66%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2640, 0.2201, 0.2596 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 45.2640, 0.2201, 0.2596 by changing the saturation by 10% instead.

45.2640, 0.2201,
0.2596

45.2640, 0.2201,
0.2596

367.8417, 0.2645,
0.2944

31.6654, 0.2098,
0.2511

83.1164, 0.2357,
0.2722

21.1061, 0.1969,
0.2403

108.1391, 0.2417,
0.2769

13.2016, 0.1807,
0.2263

137.7385, 0.2469,
0.2810

7.5675, 0.1598,
0.2075

172.2992, 0.2514,
0.2844

3.8195, 0.1321,
0.1816

212.2054, 0.2553,
0.2874

1.5731, 0.0953,
0.1444

257.8417, 0.2587,

0.3394, 0.0000,

0.2900

0.0750

309.5923, 0.2618,
0.2924

0.0000, 0.0000,
0.0000

45.2640, 0.2201,
0.2596

45.2640, 0.2201,
0.2596

40.8662, 0.2098,
0.2466

50.2516, 0.2321,
0.2723

37.0095, 0.2016,
0.2336

55.8623, 0.2456,
0.2845


33.6425, 0.1955,
0.2208

62.1322, 0.2602,
0.2961


31.8151, 0.1926,
0.2133


69.0924, 0.2754,
0.3068

76.7719, 0.2910,
0.3167

 85.1977, 0.3065,
0.3257

 94.1112, 0.3209,
0.3337

 99.1857, 0.3203,
0.3415

 99.1910, 0.3203,
0.3415

Harmonies

Analogous

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



45.2640, 0.2197, 0.2944



45.2640, 0.2201, 0.2596



45.2640, 0.2424, 0.2455

Triad

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



45.2640, 0.2201, 0.2596



45.2640, 0.3868, 0.3084



45.2640, 0.3349, 0.4234

Complementary

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



45.2640, 0.2201, 0.2596



38.0611, 0.4782, 0.3824

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.



45.2640, 0.3829, 0.4186



45.2640, 0.2201, 0.2596



45.2640, 0.4156, 0.3495

Square

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



45.2640, 0.2201, 0.2596



45.2640, 0.3370, 0.2736



45.2640, 0.4134, 0.3896



45.2640, 0.2832, 0.3957

Rectangle

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



45.2640, 0.2201, 0.2596



45.2640, 0.2682, 0.2472



45.2640, 0.4134, 0.3896



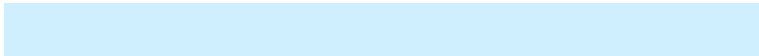
45.2640, 0.3520, 0.4253

Sweetspot

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



45.2656, 0.2201, 0.2596



81.9979, 0.2831, 0.3118



67.3925, 0.2822, 0.4715



17.0275, 0.2787, 0.3090



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.



45.2656, 0.2201, 0.2596



44.5684, 0.2070, 0.2425



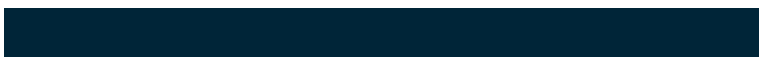
20.2313, 0.1950, 0.1525



16.9829, 0.2980, 0.3209



17.3531, 0.1932, 0.2154



1.6262, 0.1978, 0.2321

Inverse Universe

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



29.4260, 0.3779, 0.2254



28.0296, 0.3972, 0.2142



68.7733, 0.4177, 0.4563



15.9359, 0.3189, 0.3134



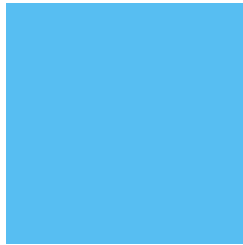
11.5452, 0.4282, 0.2133



0.9789, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 45.2640, 0.2201, 0.2596 looks on a white background.

Color Contrast Check

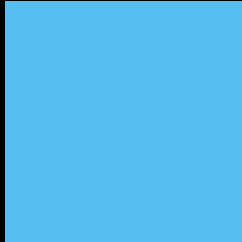
Large Text (above 18pt) WCAG AA × Fail

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 45.2640, 0.2201, 0.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

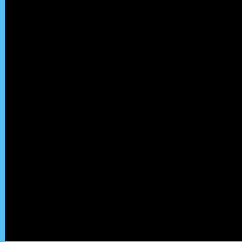
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

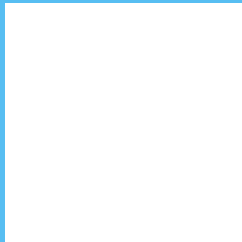
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2640, 0.2201, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 45.2640, 0.2201, 0.2596.



This preview shows how white text looks on a background with the Yxy color 45.2640, 0.2201, 0.2596.

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

45.2640, 0.2201, 0.2596

Protanopia

44.6634, 0.2621, 0.2590

Deuteranopia

44.8113, 0.2504, 0.2444



Tritanopia

45.0730, 0.2297, 0.3056

Trichromacy



Original Color

45.2640, 0.2201, 0.2596

Protanomaly

44.2548, 0.2427, 0.2579

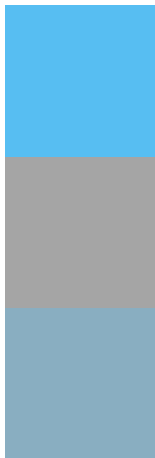
Deuteranomaly

44.4849, 0.2370, 0.2488

Tritanomaly

44.9916, 0.2260, 0.2880

Monochromacy



Original Color

45.2640, 0.2201, 0.2596

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.4407, 0.2683, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2640, 0.2201, 0.2596 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(87, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(87, 190, 242)  
}
```

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(87, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 190, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.2640, 0.2201, 0.2596 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(87, 190, 242) }
```

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

```
.border{ border-color:rgb(87, 190, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(87, 190,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2640, 0.2201, 0.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 190, 242) }
```

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

```
.background{ background-color: rgb(87, 190,  
242) }
```

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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