

Converting Colors

$Y_{xy}(43.8652, 0.2082, 0.2476)$

Have a look what the booklet for
Yxy(43.8652, 0.2082, 0.2476)
contains.

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Color

Yxy(43.6758, 0.2083, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	39BCF9
RGB	57, 188, 249
RGB Percent	22%, 74%, 98%
CMY	0.7757, 0.2628, 0.0236
CMYK	0.77, 0.24, 0.00, 0.02
HSL	199°, 94%, 60%
HSV	199°, 77%, 98%
XYZ	36.7731, 43.6758, 96.0903
YIQ	155.7850, -97.6570, -8.8010

Conversions

Conversions Part 2

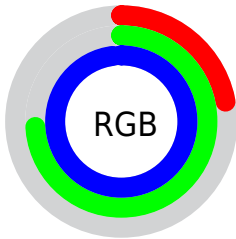
Format	Color
R _Y B	57, 135, 249
Decimal	3783929
CIE Lab	72.01, -15.02, -40.10
CIE LCh	72, 42.818, 249.459
Yxy	43.6758, 0.2083, 0.2474
Android (android.graphics.Color)	4281974009 (0xFF39BCF9)
YUV	155.7850, 45.9550, -86.6344
Hunter-Lab	66.0877, -16.3308, -39.9452

Details

The Yxy color **43.6758, 0.2083, 0.2474** 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 **33.4281, 0.5283, 0.3815**, and the grayscale version is **32.9926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7467, 0.2462, 0.3161**, and **21.1337, 0.1969, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **39.8237, 0.2010, 0.2352**, and if you desaturate by 10%, it is **48.0750, 0.2177, 0.2597**.

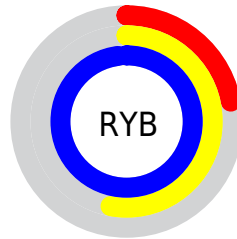
Distribution



Red (22%)

Green (74%)

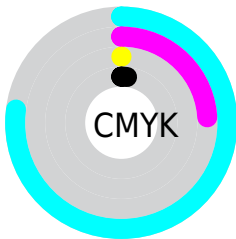
Blue (98%)



Red (22%)

Yellow (53%)

Blue (98%)

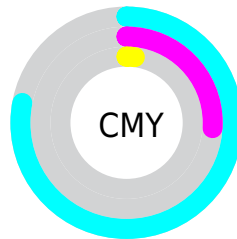


Cyan (77%)

Magenta (24%)

Yellow (0%)

Black (2%)



Cyan (78%)


Magenta (26%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6758, 0.2083, 0.2474 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 43.6758, 0.2083, 0.2474 by changing the saturation by 10% instead.


 43.6758, 0.2083,
0.2474

 43.6758, 0.2083,
0.2474

361.3837, 0.2582,
0.2882


 30.4157, 0.1968,
0.2375


 80.7297, 0.2257,
0.2621

 20.1543, 0.1827,
0.2251


 105.2923, 0.2325,
0.2676

 12.5073, 0.1650,
0.2091

 134.3911, 0.2383,
0.2724

 7.0902, 0.1425,
0.1880

 168.4107, 0.2433,
0.2764

 3.5185, 0.1136,
0.1595

207.7353, 0.2477,
0.2800

 1.4081, 0.0767,
0.1203

252.7494, 0.2516,

 0.2227, 0.0000,

0.2831

0.0434

303.8374, 0.2551,
0.2858

■ 0.0000, 0.0000,
0.0000

■ 43.6758, 0.2083,
0.2474

■ 43.6758, 0.2083,
0.2474

■ 39.8237, 0.2010,
0.2352

■ 48.0750, 0.2177,
0.2597

■ 36.4524, 0.1957,
0.2231

■ 53.0660, 0.2290,
0.2718

■ 35.5163, 0.1943,
0.2196

■ 58.6922, 0.2418,
0.2835

■ 64.9911, 0.2559,
0.2946

■ 71.9966, 0.2708,
0.3050

■ 79.7399, 0.2863,
0.3146

■ 88.2500, 0.3018,
0.3234

■ 97.2941, 0.3164,
0.3313

■ 99.6178, 0.3162,
0.3348

Harmonies

Analogous

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



43.6758, 0.2060, 0.2850



43.6758, 0.2083, 0.2474



43.6758, 0.2347, 0.2337

Triad

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



43.6758, 0.2083, 0.2474



43.6758, 0.4016, 0.3078



43.6758, 0.3333, 0.4384

Complementary

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



43.6758, 0.2083, 0.2474



33.4281, 0.5283, 0.3815

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.



43.6758, 0.3894, 0.4333



43.6758, 0.2083, 0.2474



43.6758, 0.4326, 0.3542

Square

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



43.6758, 0.2083, 0.2474



43.6758, 0.3444, 0.2681



43.6758, 0.4269, 0.3997



43.6758, 0.2745, 0.4038

Rectangle

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



43.6758, 0.2083, 0.2474



43.6758, 0.2647, 0.2368



43.6758, 0.4269, 0.3997



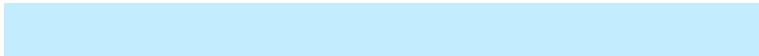
43.6758, 0.3531, 0.4409

Sweetspot

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



43.6773, 0.2083, 0.2474



79.1967, 0.2770, 0.3089



69.9152, 0.2828, 0.5092



16.3356, 0.2714, 0.3054



0.0000, 0.0000, 0.0000



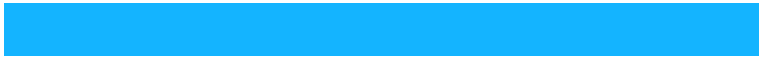
21.4041, 0.3127, 0.3290

Same Dimension

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



43.6773, 0.2083, 0.2474



40.1808, 0.1981, 0.2290



15.4284, 0.1750, 0.1192



18.6233, 0.2980, 0.3213



19.2834, 0.1949, 0.2215



1.9767, 0.1989, 0.2359

Inverse Universe

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



26.7102, 0.3924, 0.2113



25.0865, 0.4132, 0.2082



68.4295, 0.4371, 0.4688



17.4251, 0.3187, 0.3130



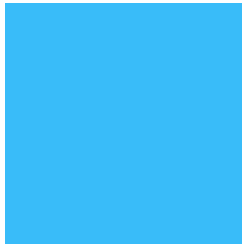
12.3576, 0.4216, 0.2096



1.1638, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 43.6758, 0.2083, 0.2474 looks on a white background.

Color Contrast Check

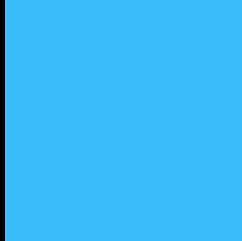
Large Text (above 18pt) WCAG AA × Fail

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 43.6758, 0.2083, 0.2474 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

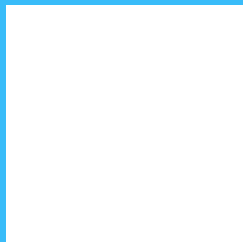
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6758, 0.2083, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 43.6758, 0.2083, 0.2474.



This preview shows how white text looks on a background with the Yxy color 43.6758, 0.2083, 0.2474.

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

43.6758, 0.2083, 0.2474

Protanopia

43.1697, 0.2545, 0.2489

Deuteranopia

43.3201, 0.2389, 0.2331



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



Original Color

43.6758, 0.2083, 0.2474

Protanomaly

42.2566, 0.2318, 0.2468

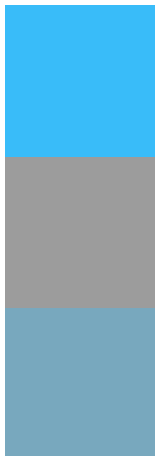
Deuteranomaly

42.7159, 0.2236, 0.2367

Tritanomaly

43.2405, 0.2132, 0.2826

Monochromacy



Original Color

43.6758, 0.2083, 0.2474

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.7160, 0.2571, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6758, 0.2083, 0.2474 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(57, 188, 249)` looks like.

```
.text, #text, p{  
    color:rgb(57, 188, 249)  
}
```

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(57, 188, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 188, 249) }
```

Border

The CSS property to change the border of an element to Yxy 43.6758, 0.2083, 0.2474 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(57, 188, 249) }
```

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

```
.border{ border-color:rgb(57, 188, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 188, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 188, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 188, 249);  
box-shadow:4px 4px 4px 4px rgb(57, 188,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6758, 0.2083, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 188, 249) }
```

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

```
.background{ background-color: rgb(57, 188,  
249) }
```

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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