

Converting Colors

$Yxy(43.5362, 0.2047, 0.2395)$

Have a look what the booklet for
Yxy(43.5362, 0.2047, 0.2395)
contains.

Yxy(43.4645, 0.2047, 0.2392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.4645, 0.2047, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	33BBFF
RGB	51, 187, 255
RGB Percent	20%, 73%, 100%
CMY	0.7991, 0.2667, 0.0000
CMYK	0.80, 0.27, 0.00, 0.00
HSL	200°, 100%, 60%
HSV	200°, 80%, 100%
XYZ	37.1956, 43.4645, 101.0477
YIQ	154.0880, -102.8840, -7.6840

Conversions

Conversions Part 2

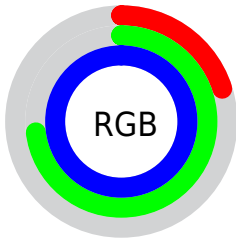
Format	Color
R _Y B	51, 133, 255
Decimal	3390463
CIE Lab	71.87, -13.02, -43.58
CIE LCh	72, 45.488, 253.366
Yxy	43.4645, 0.2047, 0.2392
Android (android.graphics.Color)	4281580543 (0xFF33BBFF)
YUV	154.0880, 49.7496, -90.4082
Hunter-Lab	65.9276, -14.6657, -44.7249

Details

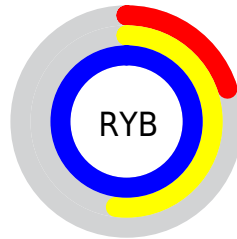
The Yxy color **43.4645, 0.2047, 0.2392** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **34.7554, 0.5353, 0.3839**, and the grayscale version is **32.1965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9104, 0.2448, 0.3149**, and **21.1274, 0.1942, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **39.4663, 0.1978, 0.2264**, and if you desaturate by 10%, it is **48.0410, 0.2137, 0.2522**.

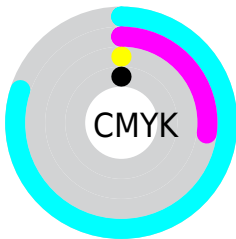
Distribution



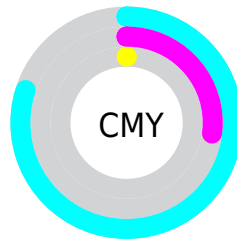
- Red (20%)
- Green (73%)
- Blue (100%)



- Red (20%)
- Yellow (52%)
- Blue (100%)



- Cyan (80%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.4645, 0.2047, 0.2392 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 43.4645, 0.2047, 0.2392 by changing the saturation by 10% instead.


 43.4645, 0.2047,
0.2392


 43.4645, 0.2047,
0.2392


360.5185, 0.2561,
0.2837


 30.2497, 0.1929,
0.2286


 80.4113, 0.2226,
0.2551


 20.0282, 0.1785,
0.2153


 104.9122, 0.2296,
0.2611

 12.4156, 0.1606,
0.1985


 133.9439, 0.2356,
0.2663

 7.0274, 0.1379,
0.1765

 167.8908, 0.2408,
0.2707

 3.4792, 0.1091,
0.1473

207.1373, 0.2453,
0.2746

 1.3867, 0.0730,
0.1084

252.0679, 0.2494,

 0.2069, 0.0000,

0.2780

0.0356

303.0668, 0.2529,
0.2810

■ 0.0000, 0.0000,
0.0000

■ 43.4645, 0.2047,
0.2392

■ 43.4645, 0.2047,
0.2392

■ 39.4663, 0.1978,
0.2264

■ 48.0410, 0.2137,
0.2522

■ 35.9572, 0.1927,
0.2138

■ 53.2494, 0.2247,
0.2650

■ 35.9255, 0.1927,
0.2136

■ 59.1374, 0.2374,
0.2775

■ 65.7464, 0.2514,
0.2895

■ 73.1137, 0.2663,
0.3007

■ 81.2737, 0.2817,
0.3110

■ 90.2582, 0.2973,
0.3205

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.



43.4645, 0.1989, 0.2752



43.4645, 0.2047, 0.2392



43.4645, 0.2355, 0.2283

Triad

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



43.4645, 0.2047, 0.2392



43.4645, 0.4136, 0.3123



43.4645, 0.3257, 0.4436

Complementary

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



43.4645, 0.2047, 0.2392



34.7554, 0.5353, 0.3839

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.



43.4645, 0.3865, 0.4425



43.4645, 0.2047, 0.2392



43.4645, 0.4416, 0.3615

Square

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



43.4645, 0.2047, 0.2392



43.4645, 0.3550, 0.2694



43.4645, 0.4302, 0.4089



43.4645, 0.2645, 0.4016

Rectangle

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



43.4645, 0.2047, 0.2392



43.4645, 0.2689, 0.2335



43.4645, 0.4302, 0.4089



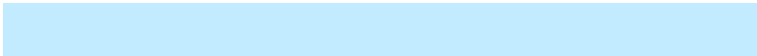
43.4645, 0.3469, 0.4480

Sweetspot

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



43.4651, 0.2047, 0.2392



77.8347, 0.2753, 0.3069



73.5659, 0.2818, 0.5123



16.0430, 0.2699, 0.3032



0.0000, 0.0000, 0.0000



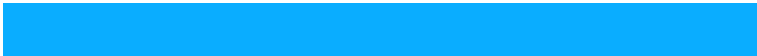
21.4041, 0.3127, 0.3290

Same Dimension

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



43.4651, 0.2047, 0.2392



37.2833, 0.1946, 0.2187



14.4587, 0.1702, 0.1084



19.3999, 0.2980, 0.3209



19.0580, 0.1933, 0.2157



2.0568, 0.1973, 0.2301

Inverse Universe

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



27.2360, 0.4010, 0.2125



24.5097, 0.4244, 0.2126



73.2353, 0.4378, 0.4735



18.1912, 0.3189, 0.3133



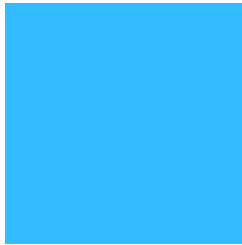
12.6519, 0.4279, 0.2131



1.2522, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 43.4645, 0.2047, 0.2392 looks on a white background.

Color Contrast Check

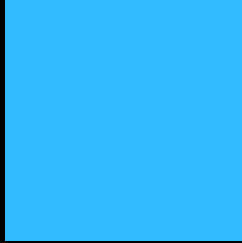
Large Text (above 18pt) WCAG AA × Fail

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 43.4645, 0.2047, 0.2392 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

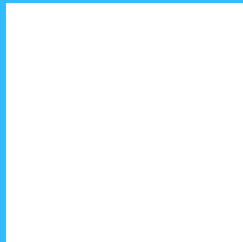
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4645, 0.2047, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 43.4645, 0.2047, 0.2392.



This preview shows how white text looks on a background with the Yxy color 43.4645, 0.2047, 0.2392.

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

43.4645, 0.2047, 0.2392

Protanopia

42.7484, 0.2482, 0.2408

Deuteranopia

43.1548, 0.2350, 0.2296



Tritanopia

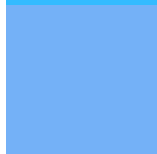
43.2367, 0.2180, 0.3048

Trichromacy



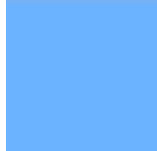
Original Color

43.4645, 0.2047, 0.2392



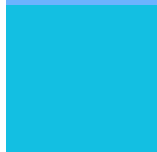
Protanomaly

41.8727, 0.2262, 0.2385



Deuteranomaly

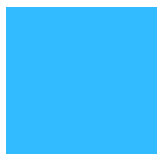
42.6483, 0.2197, 0.2321



Tritanomaly

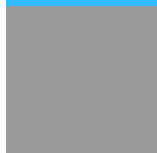
42.8910, 0.2118, 0.2785

Monochromacy



Original Color

43.4645, 0.2047, 0.2392



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.8159, 0.2540, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4645, 0.2047, 0.2392 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, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 187, 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, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 187, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.4645, 0.2047, 0.2392 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, 187, 255) }
```

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

```
.border{ border-color:rgb(51, 187, 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, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 187, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 187, 255); box-shadow:4px 4px 4px 4px rgb(51, 187, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4645, 0.2047, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 187, 255) }
```

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

```
.background{ background-color: rgb(51, 187,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor