

Converting Colors

$Y_{xy}(44.1033, 0.2052, 0.2413)$

Have a look what the booklet for
Yxy(44.1033, 0.2052, 0.2413)
contains.

Yxy(44.3190, 0.2054, 0.2420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.3190, 0.2054, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	33BDFF
RGB	51, 189, 255
RGB Percent	20%, 74%, 100%
CMY	0.7999, 0.2588, 0.0000
CMYK	0.80, 0.26, 0.00, 0.00
HSL	199°, 100%, 60%
HSV	199°, 80%, 100%
XYZ	37.6162, 44.3190, 101.2012
YIQ	155.2620, -103.4340, -8.7300

Conversions

Conversions Part 2

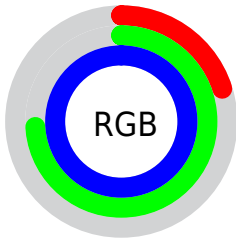
Format	Color
R _Y B	51, 133, 255
Decimal	3390975
CIE Lab	72.44, -14.11, -42.70
CIE LCh	72, 44.969, 251.708
Yxy	44.3190, 0.2054, 0.2420
Android (android.graphics.Color)	4281581055 (0xFF33BDFF)
YUV	155.2620, 49.1708, -91.4378
Hunter-Lab	66.5725, -15.6421, -43.5298

Details

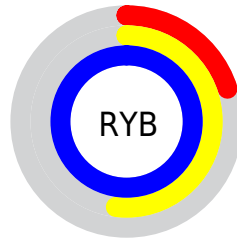
The Yxy color **44.3190, 0.2054, 0.2420** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **34.2270, 0.5378, 0.3819**, and the grayscale version is **32.7151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1140, 0.2452, 0.3173**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **40.3784, 0.1986, 0.2296**, and if you desaturate by 10%, it is **48.8237, 0.2143, 0.2546**.

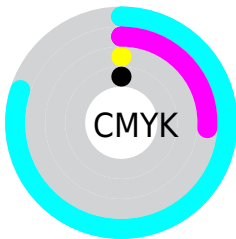
Distribution



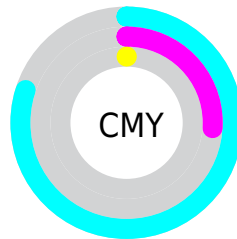
- Red (20%)
- Green (74%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3190, 0.2054, 0.2420 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 44.3190, 0.2054, 0.2420 by changing the saturation by 10% instead.


 44.3190, 0.2054,
0.2420

 44.3190, 0.2054,
0.2420

364.0084, 0.2564,
0.2851


 30.9214, 0.1938,
0.2317


 81.6975, 0.2231,
0.2574


 20.5390, 0.1795,
0.2188

 106.4473, 0.2300,
0.2633

 12.7874, 0.1618,
0.2024


 135.7498, 0.2360,
0.2683

 7.2823, 0.1394,
0.1809

 169.9895, 0.2411,
0.2726

 3.6393, 0.1108,
0.1523

209.5508, 0.2457,
0.2763

 1.4739, 0.0749,
0.1138

254.8182, 0.2496,

 0.2703, 0.0000,

0.2796

0.0458

306.1759, 0.2532,
0.2825

■ 0.0000, 0.0000,
0.0000

■ 44.3190, 0.2054,
0.2420

■ 44.3190, 0.2054,
0.2420

■ 40.3784, 0.1986,
0.2296

■ 48.8237, 0.2143,
0.2546

■ 36.9144, 0.1937,
0.2174

■ 53.9484, 0.2251,
0.2670

■ 36.9117, 0.1937,
0.2174

■ 59.7395, 0.2376,
0.2791

■ 66.2382, 0.2515,
0.2906

■ 73.4816, 0.2662,
0.3015

■ 81.5036, 0.2816,
0.3115

■ 90.3360, 0.2972,
0.3207

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.



44.3190, 0.2011, 0.2790



44.3190, 0.2054, 0.2420



44.3190, 0.2345, 0.2298

Triad

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



44.3190, 0.2054, 0.2420



44.3190, 0.4092, 0.3102



44.3190, 0.3291, 0.4424

Complementary

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



44.3190, 0.2054, 0.2420



34.2270, 0.5378, 0.3819

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.



44.3190, 0.3884, 0.4395



44.3190, 0.2054, 0.2420



44.3190, 0.4389, 0.3585

Square

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



44.3190, 0.2054, 0.2420



44.3190, 0.3507, 0.2683



44.3190, 0.4298, 0.4055



44.3190, 0.2685, 0.4034

Rectangle

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



44.3190, 0.2054, 0.2420



44.3190, 0.2666, 0.2342



44.3190, 0.4298, 0.4055



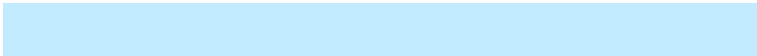
44.3190, 0.3499, 0.4460

Sweetspot

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



44.3188, 0.2054, 0.2420



78.1927, 0.2754, 0.3076



73.4763, 0.2831, 0.5167



16.1295, 0.2699, 0.3040



0.0000, 0.0000, 0.0000



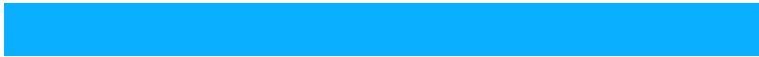
21.4041, 0.3127, 0.3290

Same Dimension

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



44.3188, 0.2054, 0.2420



38.2541, 0.1956, 0.2222



14.9725, 0.1709, 0.1116



19.4323, 0.2980, 0.3211



19.5700, 0.1943, 0.2194



2.1040, 0.1982, 0.2334

Inverse Universe

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



27.3035, 0.3982, 0.2107



24.6077, 0.4206, 0.2105



71.4368, 0.4405, 0.4711



18.1945, 0.3188, 0.3131



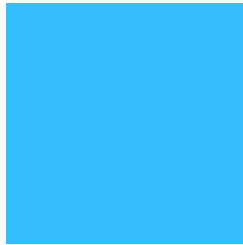
12.7036, 0.4239, 0.2109



1.2569, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 44.3190, 0.2054, 0.2420 looks on a white background.

Color Contrast Check

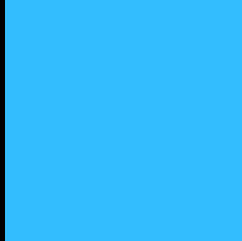
Large Text (above 18pt) WCAG AA × Fail

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 44.3190, 0.2054, 0.2420 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

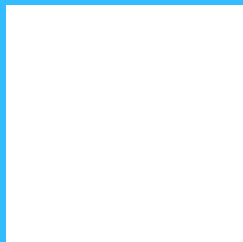
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3190, 0.2054, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 44.3190, 0.2054, 0.2420.



This preview shows how white text looks on a background with the Yxy color 44.3190, 0.2054, 0.2420.

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

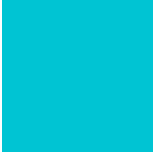
44.3190, 0.2054, 0.2420

Protanopia

43.8111, 0.2505, 0.2438

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



Original Color

44.3190, 0.2054, 0.2420



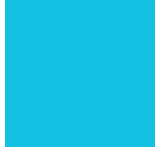
Protanomaly

42.8072, 0.2277, 0.2414



Deuteranomaly

43.1775, 0.2208, 0.2337



Tritanomaly

43.8244, 0.2123, 0.2802

Monochromacy



Original Color

44.3190, 0.2054, 0.2420



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.1809, 0.2542, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3190, 0.2054, 0.2420 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, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 189, 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, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3190, 0.2054, 0.2420 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, 189, 255) }
```

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

```
.border{ border-color:rgb(51, 189, 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, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3190, 0.2054, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 189, 255) }
```

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

```
.background{ background-color: rgb(51, 189,  
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