

Converting Colors

$Y_{xy}(45.1056, 0.2070, 0.2479)$

Have a look what the booklet for
Yxy(45.1056, 0.2070, 0.2479)
contains.

Yxy(44.9937, 0.2071, 0.2481)	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(44.9937, 0.2071, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	33BFFC
RGB	51, 191, 252
RGB Percent	20%, 75%, 99%
CMY	0.8008, 0.2509, 0.0118
CMYK	0.80, 0.24, 0.00, 0.01
HSL	198°, 97%, 59%
HSV	198°, 80%, 99%
XYZ	37.5582, 44.9937, 98.8012
YIQ	156.0940, -103.0210, -10.7090

Conversions

Conversions Part 2

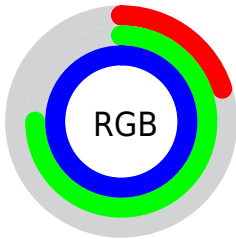
Format	Color
R _Y B	51, 134, 252
Decimal	3391484
CIE Lab	72.89, -16.23, -40.37
CIE LCh	73, 43.511, 248.102
Yxy	44.9937, 0.2071, 0.2481
Android (android.graphics.Color)	4281581564 (0xFF33BFFC)
YUV	156.0940, 47.2817, -92.1674
Hunter-Lab	67.0773, -17.4389, -40.3767

Details

The Yxy color **44.9937, 0.2071, 0.2481** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **32.4714, 0.5414, 0.3780**, and the grayscale version is **33.0839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3307, 0.2457, 0.3196**, and **22.1171, 0.1974, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **41.2657, 0.2006, 0.2365**, and if you desaturate by 10%, it is **49.2521, 0.2157, 0.2598**.

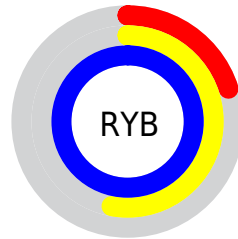
Distribution



Red (20%)

Green (75%)

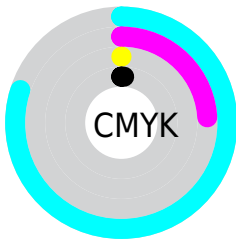
Blue (99%)



Red (20%)

Yellow (53%)

Blue (99%)

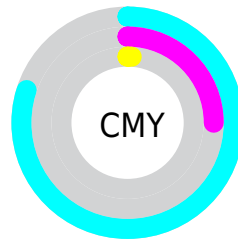


Cyan (80%)

Magenta (24%)

Yellow (0%)

Black (1%)



Cyan (80%)

Magenta (25%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9937, 0.2071, 0.2481 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 44.9937, 0.2071, 0.2481 by changing the saturation by 10% instead.

44.9937, 0.2071,
0.2481

44.9937, 0.2071,
0.2481

366.7480, 0.2572,
0.2885

31.4525, 0.1956,
0.2384

82.7110, 0.2246,
0.2626

20.9436, 0.1816,
0.2261

107.6558, 0.2314,
0.2681

13.0828, 0.1640,
0.2104

137.1706, 0.2372,
0.2728

7.4856, 0.1418,
0.1898

171.6397, 0.2423,
0.2768

3.7676, 0.1134,
0.1619

211.4477, 0.2467,
0.2803

1.5444, 0.0773,
0.1236

256.9788, 0.2506,

0.3197, 0.0000,

0.2834

0.0571

308.6174, 0.2541,
0.2861

■ 0.0000, 0.0000,
0.0000

■ 44.9937, 0.2071,
0.2481

■ 44.9937, 0.2071,
0.2481

■ 41.2657, 0.2006,
0.2365

■ 49.2521, 0.2157,
0.2598

■ 37.9797, 0.1959,
0.2251

■ 54.0892, 0.2262,
0.2713

■ 37.9313, 0.1958,
0.2249

■ 59.5511, 0.2385,
0.2826

■ 65.6773, 0.2521,
0.2933

■ 72.5031, 0.2667,
0.3034

■ 80.0611, 0.2819,
0.3128

■ 88.3814, 0.2974,
0.3214

■ 97.4923, 0.3130,
0.3291

■ 99.8084, 0.3144,
0.3319

Harmonies

Analogous

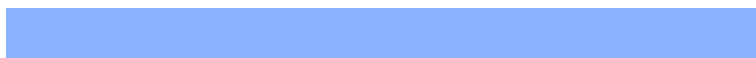
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9937, 0.2060, 0.2869



44.9937, 0.2071, 0.2481



44.9937, 0.2326, 0.2333

Triad

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



44.9937, 0.2071, 0.2481



44.9937, 0.3999, 0.3056



44.9937, 0.3361, 0.4397

Complementary

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



44.9937, 0.2071, 0.2481



32.4714, 0.5414, 0.3780

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.



44.9937, 0.3920, 0.4329



44.9937, 0.2071, 0.2481



44.9937, 0.4327, 0.3521

Square

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



44.9937, 0.2071, 0.2481



44.9937, 0.3417, 0.2662



44.9937, 0.4286, 0.3982



44.9937, 0.2768, 0.4067

Rectangle

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



44.9937, 0.2071, 0.2481



44.9937, 0.2621, 0.2358



44.9937, 0.4286, 0.3982



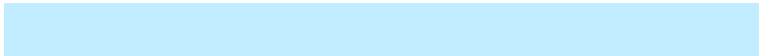
44.9937, 0.3559, 0.4416

Sweetspot

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



44.9952, 0.2071, 0.2481



78.9138, 0.2755, 0.3090



71.4713, 0.2843, 0.5204



16.3040, 0.2701, 0.3056



0.0000, 0.0000, 0.0000



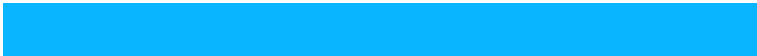
21.4041, 0.3127, 0.3290

Same Dimension

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



44.9952, 0.2071, 0.2481



40.2538, 0.1975, 0.2294



15.2141, 0.1721, 0.1155



18.6684, 0.2980, 0.3216



20.0302, 0.1964, 0.2269



2.0416, 0.2002, 0.2405

Inverse Universe

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



26.8072, 0.3922, 0.2073



24.8096, 0.4130, 0.2063



67.8995, 0.4431, 0.4684



17.4297, 0.3185, 0.3126



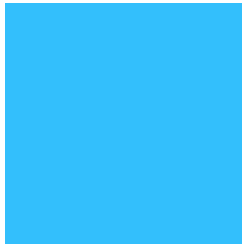
12.4330, 0.4159, 0.2065



1.1703, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 44.9937, 0.2071, 0.2481 looks on a white background.

Color Contrast Check

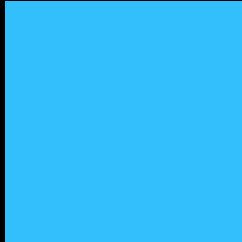
Large Text (above 18pt) WCAG AA × Fail

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 44.9937, 0.2071, 0.2481 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

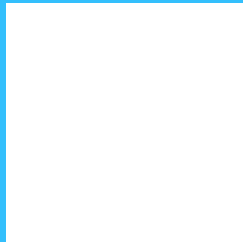
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9937, 0.2071, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 44.9937, 0.2071, 0.2481.



This preview shows how white text looks on a background with the Yxy color 44.9937, 0.2071, 0.2481.

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

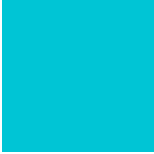
44.9937, 0.2071, 0.2481

Protanopia

44.3221, 0.2544, 0.2486

Deuteranopia

44.4737, 0.2389, 0.2330



Tritanopia

44.7366, 0.2181, 0.3051

Trichromacy



Original Color

44.9937, 0.2071, 0.2481



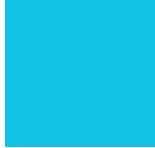
Protanomaly

43.5725, 0.2306, 0.2475



Deuteranomaly

43.6482, 0.2224, 0.2362



Tritanomaly

44.7049, 0.2130, 0.2832

Monochromacy



Original Color

44.9937, 0.2071, 0.2481



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.9891, 0.2553, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9937, 0.2071, 0.2481 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, 191, 252)` looks like.

```
.text, #text, p{  
    color:rgb(51, 191, 252)  
}
```

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, 191, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 191, 252) }
```

Border

The CSS property to change the border of an element to Yxy 44.9937, 0.2071, 0.2481 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, 191, 252) }
```

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

```
.border{ border-color:rgb(51, 191, 252) }
```

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

Here you see how a box with a 4 pixel rgb(51, 191, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 191, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 191, 252);  
box-shadow:4px 4px 4px 4px rgb(51, 191,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9937, 0.2071, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 191, 252) }
```

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

```
.background{ background-color: rgb(51, 191,  
252) }
```

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