

Converting Colors

$Y_{xy}(44.1195, 0.2052, 0.2449)$

Have a look what the booklet for
Yxy(44.1195, 0.2052, 0.2449)
contains.

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Color

Yxy(43.9814, 0.2053, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	2DBDFC
RGB	45, 189, 252
RGB Percent	18%, 74%, 99%
CMY	0.8244, 0.2588, 0.0119
CMYK	0.82, 0.25, 0.00, 0.01
HSL	198°, 97%, 58%
HSV	198°, 82%, 99%
XYZ	36.8396, 43.9814, 98.6217
YIQ	153.1260, -106.0470, -10.9350

Conversions

Conversions Part 2

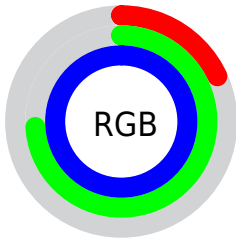
Format	Color
R _Y B	45, 130, 252
Decimal	2997756
CIE Lab	72.22, -15.69, -41.41
CIE LCh	72, 44.284, 249.253
Yxy	43.9814, 0.2053, 0.2451
Android (android.graphics.Color)	4281187836 (0xFF2DBDFC)
YUV	153.1260, 48.7449, -94.8265
Hunter-Lab	66.3185, -16.9015, -41.7468

Details

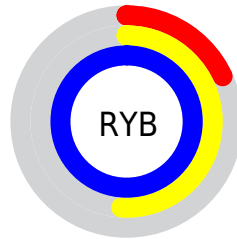
The Yxy color **43.9814, 0.2053, 0.2451** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **31.5497, 0.5494, 0.3773**, and the grayscale version is **31.7057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8848, 0.2441, 0.3172**, and **21.5484, 0.1963, 0.2268** is the 20% darker color. If you saturate the color by 10%, you get **40.3663, 0.1993, 0.2335**, and if you desaturate by 10%, it is **48.1133, 0.2134, 0.2568**.

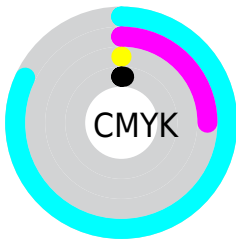
Distribution



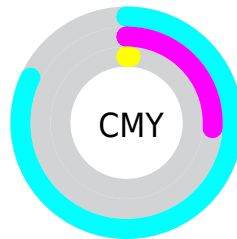
- Red (18%)
- Green (74%)
- Blue (99%)



- Red (18%)
- Yellow (51%)
- Blue (99%)



- Cyan (82%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)




- Cyan (82%)
- Magenta (26%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9814, 0.2053, 0.2451 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 43.9814, 0.2053, 0.2451 by changing the saturation by 10% instead.

 43.9814, 0.2053,
0.2451


 43.9814, 0.2053,
0.2451


362.6324, 0.2564,
0.2870

 30.6559, 0.1936,
0.2350


 81.1898, 0.2231,
0.2601


 20.3370, 0.1793,
0.2223


 105.8414, 0.2300,
0.2658

 12.6402, 0.1614,
0.2061


 135.0372, 0.2360,
0.2707

 7.1813, 0.1388,
0.1848

 169.1615, 0.2411,
0.2749

 3.5757, 0.1099,
0.1561

208.5988, 0.2457,
0.2785

 1.4392, 0.0736,
0.1171

253.7335, 0.2497,

 0.2453, 0.0000,

0.2817

0.0446

304.9499, 0.2532,
0.2845

0.0000, 0.0000,
0.0000

43.9814, 0.2053,
0.2451

43.9814, 0.2053,
0.2451

40.3663, 0.1993,
0.2335

48.1133, 0.2134,
0.2568

37.8464, 0.1957,
0.2247

52.8129, 0.2235,
0.2684

58.1280, 0.2354,
0.2798

64.0991, 0.2487,
0.2907

70.7624, 0.2631,
0.3010

■ 78.1512, 0.2783,
0.3106

■ 86.2960, 0.2937,
0.3194

■ 95.2256, 0.3093,
0.3273

■ 99.8067, 0.3145,
0.3319

Harmonies

Analogous

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



43.9814, 0.2031, 0.2838



43.9814, 0.2053, 0.2451



43.9814, 0.2322, 0.2311

Triad

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



43.9814, 0.2053, 0.2451



43.9814, 0.4041, 0.3067



43.9814, 0.3341, 0.4422

Complementary

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



43.9814, 0.2053, 0.2451



31.5497, 0.5494, 0.3773

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.



43.9814, 0.3918, 0.4363



43.9814, 0.2053, 0.2451



43.9814, 0.4363, 0.3543

Square

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



43.9814, 0.2053, 0.2451



43.9814, 0.3449, 0.2661



43.9814, 0.4305, 0.4012



43.9814, 0.2736, 0.4068

Rectangle

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



43.9814, 0.2053, 0.2451



43.9814, 0.2628, 0.2342



43.9814, 0.4305, 0.4012



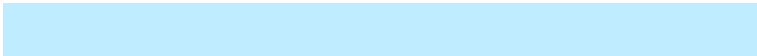
43.9814, 0.3545, 0.4446

Sweetspot

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



43.9829, 0.2053, 0.2451



78.1062, 0.2740, 0.3080



71.2187, 0.2846, 0.5262



16.1441, 0.2687, 0.3046



0.0000, 0.0000, 0.0000



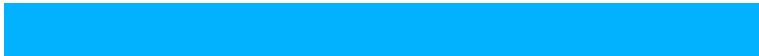
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9829, 0.2053, 0.2451



39.1928, 0.1962, 0.2257



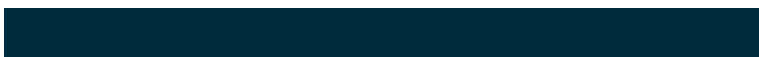
14.2712, 0.1692, 0.1098



18.6661, 0.2980, 0.3216



19.9909, 0.1963, 0.2266



2.0382, 0.2001, 0.2403

Inverse Universe

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



26.2263, 0.3955, 0.2064



24.5414, 0.4171, 0.2075



67.2377, 0.4457, 0.4699



17.4295, 0.3185, 0.3126



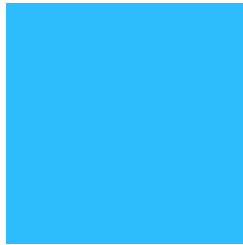
12.4290, 0.4162, 0.2067



1.1700, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 43.9814, 0.2053, 0.2451 looks on a white background.

Color Contrast Check

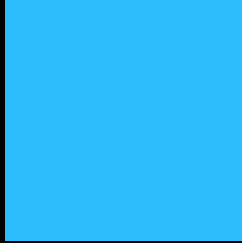
Large Text (above 18pt) WCAG AA × Fail

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 43.9814, 0.2053, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

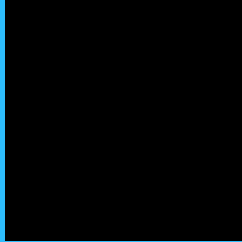
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

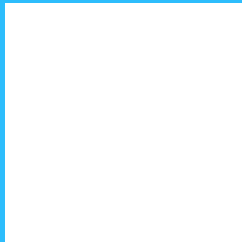
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.9814, 0.2053, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 43.9814, 0.2053, 0.2451.



This preview shows how white text looks on a background with the Yxy color 43.9814, 0.2053, 0.2451.

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

43.9814, 0.2053, 0.2451

Protanopia

43.2463, 0.2521, 0.2456

Deuteranopia

43.3317, 0.2362, 0.2299



Tritanopia

43.7334, 0.2180, 0.3049

Trichromacy



Original Color

43.9814, 0.2053, 0.2451

Protanomaly

42.4849, 0.2281, 0.2444

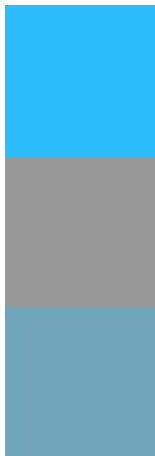
Deuteranomaly

42.5218, 0.2196, 0.2331

Tritanomaly

43.7411, 0.2124, 0.2815

Monochromacy



Original Color

43.9814, 0.2053, 0.2451

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.5240, 0.2532, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9814, 0.2053, 0.2451 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(45, 189, 252)` looks like.

```
.text, #text, p{  
    color:rgb(45, 189, 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(45, 189, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 189, 252) }
```

Border

The CSS property to change the border of an element to Yxy 43.9814, 0.2053, 0.2451 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(45, 189, 252) }
```

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

```
.border{ border-color:rgb(45, 189, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 189, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 189, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 189, 252);  
box-shadow:4px 4px 4px 4px rgb(45, 189,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9814, 0.2053, 0.2451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 189, 252) }
```

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

```
.background{ background-color: rgb(45, 189,  
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](#).

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