

Converting Colors

$Y_{xy}(48.2781, 0.2006, 0.2293)$

Have a look what the booklet for
Yxy(48.2781, 0.2006, 0.2293)
contains.

Yxy(46.8546, 0.2069, 0.2503)	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(46.8546, 0.2069, 0.2503)

Conversions

Conversions Part 1

Format	Color
Hex	2FC3FF
RGB	47, 195, 255
RGB Percent	18%, 76%, 100%
CMY	0.8164, 0.2352, 0.0000
CMYK	0.82, 0.24, 0.00, 0.00
HSL	197°, 100%, 59%
HSV	197°, 82%, 100%
XYZ	38.7304, 46.8546, 101.6088
YIQ	157.5880, -107.4680, -12.7160

Conversions

Conversions Part 2

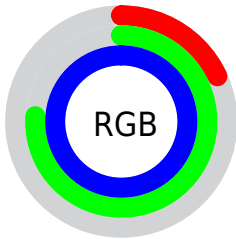
Format	Color
RYB	47, 133, 255
Decimal	3130367
CIELab	74.10, -17.66, -40.10
CIElCh	74, 43.820, 246.233
Yxy	46.8546, 0.2069, 0.2503
Android (android.graphics.Color)	4281320447 (0xFF2FC3FF)
YUV	157.5880, 48.0241, -96.9857
Hunter-Lab	68.4504, -18.7900, -40.0956

Details

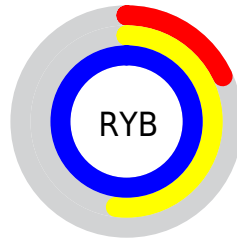
The Yxy color **46.8546, 0.2069, 0.2503** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.9390, 0.5509, 0.3745**, and the grayscale version is **33.7893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3528, 0.2464, 0.3254**, and **23.1270, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **43.2066, 0.2010, 0.2393**, and if you desaturate by 10%, it is **51.0207, 0.2149, 0.2614**.

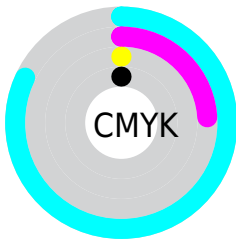
Distribution



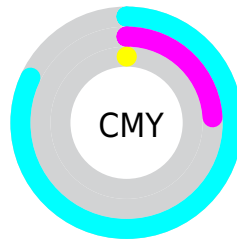
- Red (18%)
- Green (76%)
- Blue (100%)



- Red (18%)
- Yellow (52%)
- Blue (100%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8546, 0.2069, 0.2503 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 46.8546, 0.2069, 0.2503 by changing the saturation by 10% instead.


 46.8546, 0.2069,
0.2503

 46.8546, 0.2069,
0.2503


374.2339, 0.2568,
0.2895


 32.9207, 0.1956,
0.2409


 85.4965, 0.2242,
0.2643


 22.0657, 0.1817,
0.2291


 110.9734, 0.2310,
0.2697

 13.9052, 0.1645,
0.2139


 141.0667, 0.2368,
0.2742

 8.0548, 0.1428,
0.1940

 176.1609, 0.2418,
0.2781

 4.1300, 0.1150,
0.1671

216.6403, 0.2462,
0.2815

 1.7466, 0.0798,
0.1302

262.8893, 0.2502,

 0.4535, 0.0000,

0.2845

0.0739

315.2924, 0.2537,
0.2871

■ 0.0000, 0.0000,
0.0000

■ 46.8546, 0.2069,
0.2503

■ 46.8546, 0.2069,
0.2503

■ 43.2066, 0.2010,
0.2393

■ 51.0207, 0.2149,
0.2614

■ 40.4803, 0.1973,
0.2303

■ 55.7562, 0.2249,
0.2723

■ 61.1095, 0.2366,
0.2830

■ 67.1216, 0.2498,
0.2933

■ 73.8293, 0.2642,
0.3030

81.2661, 0.2792,
0.3120

89.4633, 0.2946,
0.3203

98.4497, 0.3102,
0.3278

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.



46.8546, 0.2073, 0.2904



46.8546, 0.2069, 0.2503



46.8546, 0.2308, 0.2341

Triad

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



46.8546, 0.2069, 0.2503



46.8546, 0.3963, 0.3031



46.8546, 0.3397, 0.4396

Complementary

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



46.8546, 0.2069, 0.2503



31.9390, 0.5509, 0.3745

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.



46.8546, 0.3945, 0.4307



46.8546, 0.2069, 0.2503



46.8546, 0.4309, 0.3491

Square

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



46.8546, 0.2069, 0.2503



46.8546, 0.3376, 0.2645



46.8546, 0.4292, 0.3952



46.8546, 0.2805, 0.4093

Rectangle

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



46.8546, 0.2069, 0.2503



46.8546, 0.2593, 0.2357



46.8546, 0.4292, 0.3952



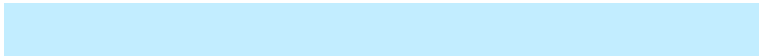
46.8546, 0.3593, 0.4407

Sweetspot

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



46.8562, 0.2069, 0.2503



79.4430, 0.2756, 0.3100



73.1562, 0.2857, 0.5290



16.4321, 0.2702, 0.3068



0.0000, 0.0000, 0.0000



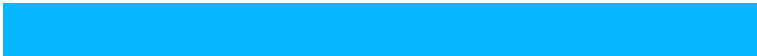
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8562, 0.2069, 0.2503



41.1165, 0.1982, 0.2325



15.4616, 0.1708, 0.1146



19.5450, 0.2980, 0.3220



21.4209, 0.1978, 0.2321



2.2733, 0.2013, 0.2445

Inverse Universe

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



27.2194, 0.3904, 0.2039



24.7893, 0.4099, 0.2039



67.5046, 0.4480, 0.4670



18.2059, 0.3182, 0.3122



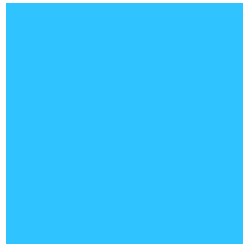
12.8904, 0.4104, 0.2035



1.2740, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 46.8546, 0.2069, 0.2503 looks on a white background.

Color Contrast Check

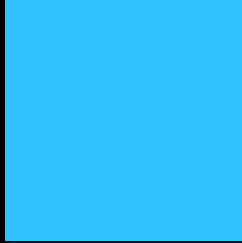
Large Text (above 18pt) WCAG AA × Fail

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 46.8546, 0.2069, 0.2503 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

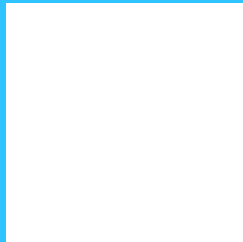
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8546, 0.2069, 0.2503

Background



This preview shows how black text looks on a background with the Yxy color 46.8546, 0.2069, 0.2503.



This preview shows how white text looks on a background with the Yxy color 46.8546, 0.2069, 0.2503.

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

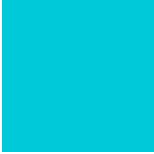
46.8546, 0.2069, 0.2503

Protanopia

46.0381, 0.2564, 0.2509

Deuteranopia

46.2325, 0.2431, 0.2376



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



Original Color

46.8546, 0.2069, 0.2503

Protanomaly

45.0613, 0.2306, 0.2485

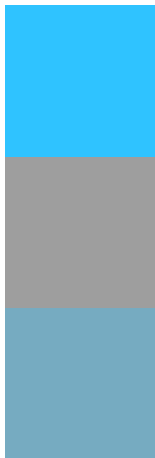
Deuteranomaly

45.4953, 0.2240, 0.2407

Tritanomaly

46.7355, 0.2131, 0.2840

Monochromacy



Original Color

46.8546, 0.2069, 0.2503

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.8276, 0.2545, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8546, 0.2069, 0.2503 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(47, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 195, 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(47, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8546, 0.2069, 0.2503 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(47, 195, 255) }
```

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

```
.border{ border-color:rgb(47, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8546, 0.2069, 0.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 195, 255) }
```

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

```
.background{ background-color: rgb(47, 195,  
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