

Converting Colors

$Y_{xy}(46.6192, 0.2044, 0.2503)$

Have a look what the booklet for
Yxy(46.6192, 0.2044, 0.2503)
contains.

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Color

Yxy(46.4832, 0.2043, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	1BC3FF
RGB	27, 195, 255
RGB Percent	11%, 76%, 100%
CMY	0.8943, 0.2353, 0.0000
CMYK	0.89, 0.24, 0.00, 0.00
HSL	196°, 100%, 55%
HSV	196°, 89%, 100%
XYZ	38.0165, 46.4832, 101.5820
YIQ	151.6080, -119.3880, -16.9560

Conversions

Conversions Part 2

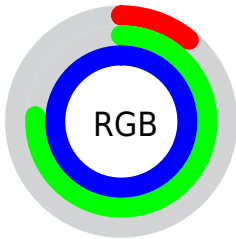
Format	Color
R _Y B	27, 124, 255
Decimal	1819647
CIE Lab	73.86, -18.92, -40.50
CIE LCh	74, 44.701, 244.955
Yxy	46.4832, 0.2043, 0.2498
Android (android.graphics.Color)	4280009727 (0xFF1BC3FF)
YUV	151.6080, 50.9723, -109.2812
Hunter-Lab	68.1786, -19.7807, -40.6135

Details

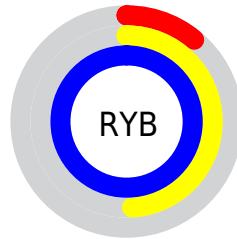
The Yxy color **46.4832, 0.2043, 0.2498** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.1483, 0.5816, 0.3651**, and the grayscale version is **31.0326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7627, 0.2436, 0.3253**, and **23.1270, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **43.3219, 0.2001, 0.2400**, and if you desaturate by 10%, it is **50.0686, 0.2103, 0.2598**.

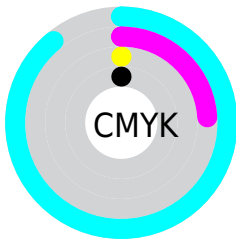
Distribution



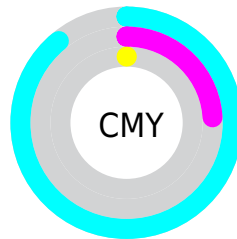
- Red (11%)
- Green (76%)
- Blue (100%)



- Red (11%)
- Yellow (49%)
- Blue (100%)



- Cyan (89%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4832, 0.2043, 0.2498 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 46.4832, 0.2043, 0.2498 by changing the saturation by 10% instead.

46.4832, 0.2043,
0.2498

46.4832, 0.2043,
0.2498

372.7479, 0.2554,
0.2893

32.6273, 0.1927,
0.2403

84.9417, 0.2220,
0.2640

21.8411, 0.1786,
0.2283

110.3131, 0.2289,
0.2694

13.7402, 0.1611,
0.2130

140.2917, 0.2349,
0.2740

7.9402, 0.1390,
0.1928

175.2620, 0.2400,
0.2779

4.0567, 0.1109,
0.1655

215.6084, 0.2446,
0.2813

1.7053, 0.0756,
0.1282

261.7152, 0.2486,

0.4271, 0.0000,

0.2843

0.0699

313.9669, 0.2522,
0.2870

■ 0.0000, 0.0000,
0.0000

■ 46.4832, 0.2043,
0.2498

■ 46.4832, 0.2043,
0.2498

■ 43.3219, 0.2001,
0.2400

■ 50.0686, 0.2103,
0.2598

■ 43.1482, 0.1999,
0.2394

■ 54.1556, 0.2184,
0.2698

■ 58.7982, 0.2284,
0.2797

■ 64.0413, 0.2402,
0.2893

■ 69.9243, 0.2534,
0.2985

■ 76.4827, 0.2677,
0.3072

■ 83.7489, 0.2827,
0.3152

■ 91.7531, 0.2981,
0.3227

■ 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.



46.4832, 0.2058, 0.2917



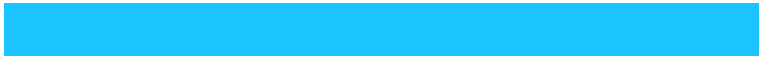
46.4832, 0.2043, 0.2498



46.4832, 0.2276, 0.2324

Triad

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



46.4832, 0.2043, 0.2498



46.4832, 0.3960, 0.3006



46.4832, 0.3427, 0.4427

Complementary

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



46.4832, 0.2043, 0.2498



28.1483, 0.5816, 0.3651

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.



46.4832, 0.3982, 0.4317



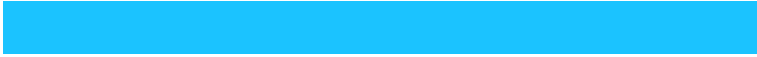
46.4832, 0.2043, 0.2498



46.4832, 0.4329, 0.3473

Square

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



46.4832, 0.2043, 0.2498



46.4832, 0.3354, 0.2618



46.4832, 0.4326, 0.3944



46.4832, 0.2821, 0.4134

Rectangle

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



46.4832, 0.2043, 0.2498



46.4832, 0.2560, 0.2335



46.4832, 0.4326, 0.3944



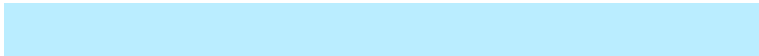
46.4832, 0.3626, 0.4431

Sweetspot

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



46.4843, 0.2043, 0.2498



78.1802, 0.2713, 0.3092



72.3921, 0.2896, 0.5545



16.2252, 0.2662, 0.3063



0.0000, 0.0000, 0.0000



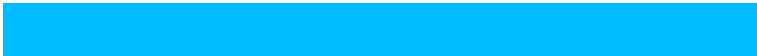
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4843, 0.2043, 0.2498



43.1482, 0.1999, 0.2394



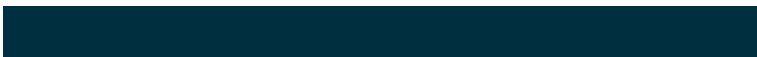
13.7885, 0.1647, 0.1048



19.6251, 0.2980, 0.3226



22.8025, 0.2003, 0.2411



2.3986, 0.2034, 0.2523

Inverse Universe

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



25.9823, 0.3918, 0.1977



24.8870, 0.4029, 0.1993



61.7226, 0.4632, 0.4639



18.2140, 0.3179, 0.3116



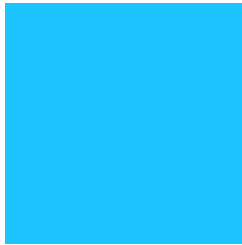
13.0299, 0.4012, 0.1984



1.2867, 0.3899, 0.1922

Previews

White Background



This preview shows how the Yxy color 46.4832, 0.2043, 0.2498 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 46.4832, 0.2043, 0.2498 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

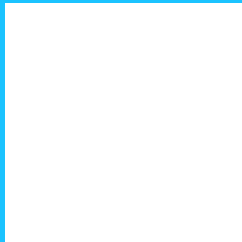
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4832, 0.2043, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 46.4832, 0.2043, 0.2498.



This preview shows how white text looks on a background with the Yxy color 46.4832, 0.2043, 0.2498.

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

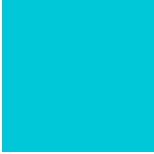
46.4832, 0.2043, 0.2498

Protanopia

45.9330, 0.2557, 0.2508

Deuteranopia

46.0395, 0.2419, 0.2373



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



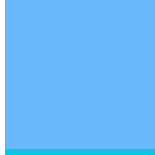
Original Color

46.4832, 0.2043, 0.2498



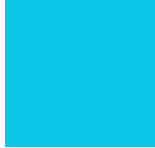
Protanomaly

44.5071, 0.2267, 0.2477



Deuteranomaly

44.9821, 0.2206, 0.2400



Tritanomaly

46.1659, 0.2127, 0.2837

Monochromacy



Original Color

46.4832, 0.2043, 0.2498



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.8052, 0.2492, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4832, 0.2043, 0.2498 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(27, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 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(27, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4832, 0.2043, 0.2498 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(27, 195, 255) }
```

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

```
.border{ border-color:rgb(27, 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(27, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4832, 0.2043, 0.2498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 195, 255) }
```

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

```
.background{ background-color: rgb(27, 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](#).

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