

Converting Colors

$Y_{xy}(46.7039, 0.2051, 0.2509)$

Have a look what the booklet for
Yxy(46.7039, 0.2051, 0.2509)
contains.

Yxy(46.5573, 0.2048, 0.2499)	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(46.5573, 0.2048, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	20C3FF
RGB	32, 195, 255
RGB Percent	13%, 76%, 100%
CMY	0.8756, 0.2352, 0.0000
CMYK	0.88, 0.24, 0.00, 0.00
HSL	196°, 100%, 56%
HSV	196°, 88%, 100%
XYZ	38.1550, 46.5573, 101.5914
YIQ	153.1030, -116.4080, -15.8960

Conversions

Conversions Part 2

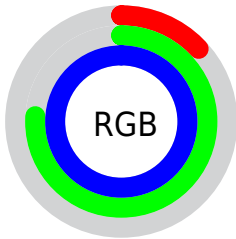
Format	Color
R _Y B	32, 126, 255
Decimal	2147327
CIE Lab	73.91, -18.68, -40.42
CIE LCh	74, 44.531, 245.195
Yxy	46.5573, 0.2048, 0.2499
Android (android.graphics.Color)	4280337407 (0xFF20C3FF)
YUV	153.1030, 50.2352, -106.2073
Hunter-Lab	68.2329, -19.5926, -40.5134

Details

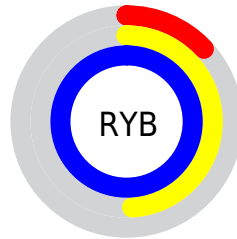
The Yxy color **46.5573, 0.2048, 0.2499** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.9674, 0.5747, 0.3675**, and the grayscale version is **31.6830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9058, 0.2443, 0.3253**, and **23.1270, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **43.2953, 0.2003, 0.2399**, and if you desaturate by 10%, it is **50.2733, 0.2113, 0.2601**.

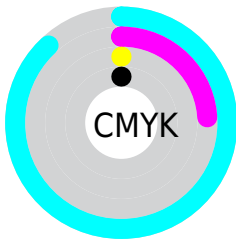
Distribution



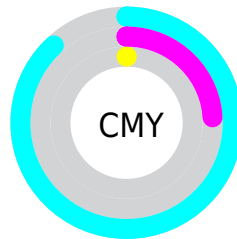
- Red (13%)
- Green (76%)
- Blue (100%)



- Red (13%)
- Yellow (49%)
- Blue (100%)



- Cyan (88%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5573, 0.2048, 0.2499 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 46.5573, 0.2048, 0.2499 by changing the saturation by 10% instead.


 46.5573, 0.2048,
0.2499


 46.5573, 0.2048,
0.2499


373.0447, 0.2556,
0.2894


 32.6858, 0.1933,
0.2404


 85.0524, 0.2224,
0.2640


 21.8859, 0.1792,
0.2285


 110.4449, 0.2293,
0.2694


 13.7731, 0.1617,
0.2132


 140.4464, 0.2352,
0.2740

 7.9630, 0.1397,
0.1930

 175.4415, 0.2404,
0.2779

 4.0713, 0.1117,
0.1659

 215.8144, 0.2449,
0.2814

 1.7135, 0.0764,
0.1286

261.9497, 0.2489,

 0.4324, 0.0000,

0.2844

0.0707

314.2316, 0.2524,
0.2870

■ 0.0000, 0.0000,
0.0000

■ 46.5573, 0.2048,
0.2499

■ 46.5573, 0.2048,
0.2499

■ 43.2953, 0.2003,
0.2399

■ 50.2733, 0.2113,
0.2601

■ 42.5439, 0.1993,
0.2374

■ 54.5073, 0.2198,
0.2703

■ 59.3116, 0.2303,
0.2804

■ 64.7298, 0.2424,
0.2902

■ 70.8008, 0.2559,
0.2995

■ 77.5595, 0.2704,
0.3083

■ 85.0379, 0.2855,
0.3164

■ 93.2659, 0.3010,
0.3239

■ 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.



46.5573, 0.2061, 0.2914



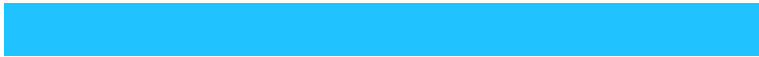
46.5573, 0.2048, 0.2499



46.5573, 0.2282, 0.2327

Triad

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



46.5573, 0.2048, 0.2499



46.5573, 0.3961, 0.3011



46.5573, 0.3421, 0.4421

Complementary

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



46.5573, 0.2048, 0.2499



28.9674, 0.5747, 0.3675

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.



46.5573, 0.3975, 0.4315



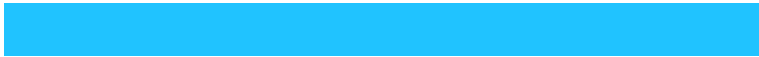
46.5573, 0.2048, 0.2499



46.5573, 0.4325, 0.3476

Square

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



46.5573, 0.2048, 0.2499



46.5573, 0.3358, 0.2623



46.5573, 0.4319, 0.3946



46.5573, 0.2818, 0.4126

Rectangle

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



46.5573, 0.2048, 0.2499



46.5573, 0.2566, 0.2339



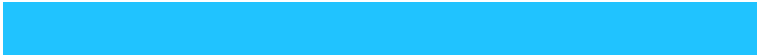
46.5573, 0.4319, 0.3946



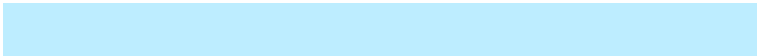
46.5573, 0.3620, 0.4427

Sweetspot

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



46.5582, 0.2048, 0.2499



78.6772, 0.2727, 0.3096



72.5826, 0.2880, 0.5466



16.3137, 0.2676, 0.3067



0.0000, 0.0000, 0.0000



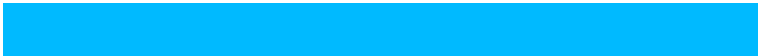
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5582, 0.2048, 0.2499



42.5439, 0.1993, 0.2374



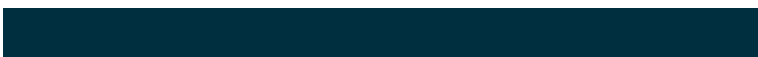
13.8358, 0.1654, 0.1050



19.6073, 0.2980, 0.3225



22.4897, 0.1998, 0.2391



2.3703, 0.2029, 0.2506

Inverse Universe

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



26.2189, 0.3915, 0.1989



24.8260, 0.4049, 0.2004



64.0286, 0.4578, 0.4665



18.2122, 0.3179, 0.3118



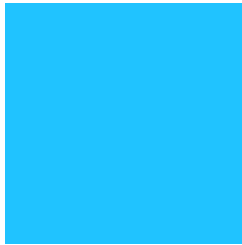
12.9983, 0.4032, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 46.5573, 0.2048, 0.2499 looks on a white background.

Color Contrast Check

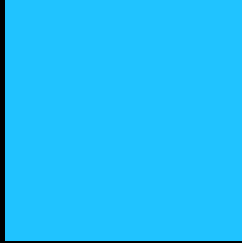
Large Text (above 18pt) WCAG AA × Fail

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 46.5573, 0.2048, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

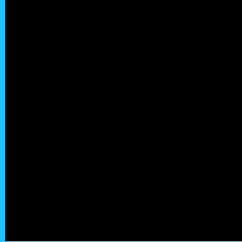
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

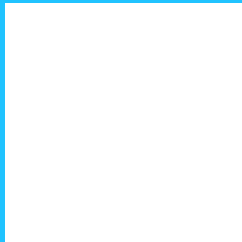
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5573, 0.2048, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 46.5573, 0.2048, 0.2499.



This preview shows how white text looks on a background with the Yxy color 46.5573, 0.2048, 0.2499.

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

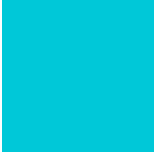
46.5573, 0.2048, 0.2499

Protanopia

45.9330, 0.2557, 0.2508

Deuteranopia

46.1356, 0.2425, 0.2375



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



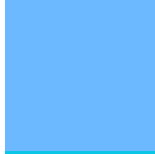
Original Color

46.5573, 0.2048, 0.2499



Protanomaly

44.6412, 0.2277, 0.2479



Deuteranomaly

45.1061, 0.2214, 0.2402



Tritanomaly

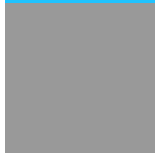
46.1795, 0.2128, 0.2837

Monochromacy



Original Color

46.5573, 0.2048, 0.2499



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9742, 0.2499, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5573, 0.2048, 0.2499 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(32, 195, 255)` looks like.

```
.text, #text, p{  
  color:rgb(32, 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(32, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5573, 0.2048, 0.2499 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(32, 195, 255) }
```

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

```
.border{ border-color:rgb(32, 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(32, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5573, 0.2048, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 195, 255) }
```

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

```
.background{ background-color: rgb(32, 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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