

Converting Colors

$Yxy(46.3481, 0.2079, 0.2483)$

Have a look what the booklet for
Yxy(46.3481, 0.2079, 0.2483)
contains.

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Color

Yxy(46.2007, 0.2079, 0.2478)

Conversions

Conversions Part 1

Format	Color
Hex	38C1FF
RGB	56, 193, 255
RGB Percent	22%, 76%, 100%
CMY	0.7793, 0.2432, 0.0000
CMYK	0.78, 0.24, 0.00, 0.00
HSL	199°, 100%, 61%
HSV	199°, 78%, 100%
XYZ	38.7616, 46.2007, 101.4812
YIQ	159.1050, -101.5540, -9.7620

Conversions

Conversions Part 2

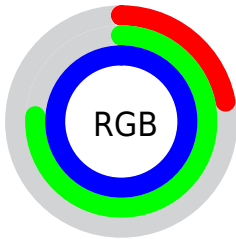
Format	Color
R _Y B	56, 137, 255
Decimal	3719679
CIE Lab	73.68, -15.75, -40.75
CIE LCh	74, 43.685, 248.873
Yxy	46.2007, 0.2079, 0.2478
Android (android.graphics.Color)	4281909759 (0xFF38C1FF)
YUV	159.1050, 47.2762, -90.4231
Hunter-Lab	67.9711, -17.1569, -40.9405

Details

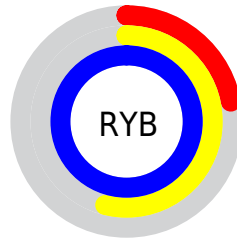
The Yxy color **46.2007, 0.2079, 0.2478** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.5744, 0.5330, 0.3802**, and the grayscale version is **34.5720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7967, 0.2473, 0.3219**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.2174, 0.2009, 0.2358**, and if you desaturate by 10%, it is **50.7507, 0.2170, 0.2599**.

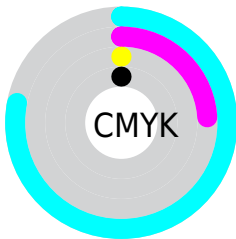
Distribution



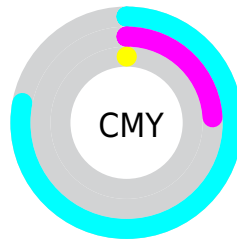
- Red (22%)
- Green (76%)
- Blue (100%)



- Red (22%)
- Yellow (54%)
- Blue (100%)



- Cyan (78%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2007, 0.2079, 0.2478 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 46.2007, 0.2079, 0.2478 by changing the saturation by 10% instead.

46.2007, 0.2079,
0.2478

46.2007, 0.2079,
0.2478

371.6149, 0.2575,
0.2881

32.4042, 0.1966,
0.2381

84.5193, 0.2251,
0.2622

21.6704, 0.1828,
0.2260

109.8102, 0.2318,
0.2677

13.6149, 0.1656,
0.2106

139.7013, 0.2376,
0.2724

7.8533, 0.1438,
0.1903

174.5772, 0.2426,
0.2764

4.0013, 0.1159,
0.1630

214.8220, 0.2470,
0.2799

1.6743, 0.0806,
0.1257

260.8204, 0.2509,

0.4069, 0.0004,

0.2830

0.0670

312.9565, 0.2544,
0.2857

0.0000, 0.0000,
0.0000

46.2007, 0.2079,
0.2478

46.2007, 0.2079,
0.2478

42.2174, 0.2009,
0.2358

50.7507, 0.2170,
0.2599

38.7260, 0.1958,
0.2240

55.9154, 0.2280,
0.2717

38.0446, 0.1949,
0.2216

61.7414, 0.2407,
0.2833

68.2686, 0.2546,
0.2942

75.5331, 0.2695,
0.3045

■ 83.5680, 0.2848,
0.3140

■ 92.4042, 0.3004,
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.



46.2007, 0.2061, 0.2859



46.2007, 0.2079, 0.2478



46.2007, 0.2339, 0.2336

Triad

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



46.2007, 0.2079, 0.2478



46.2007, 0.4007, 0.3069



46.2007, 0.3345, 0.4388

Complementary

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



46.2007, 0.2079, 0.2478



34.5744, 0.5330, 0.3802

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.



46.2007, 0.3904, 0.4330



46.2007, 0.2079, 0.2478



46.2007, 0.4325, 0.3533

Square

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



46.2007, 0.2079, 0.2478



46.2007, 0.3432, 0.2674



46.2007, 0.4275, 0.3990



46.2007, 0.2756, 0.4050

Rectangle

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



46.2007, 0.2079, 0.2478



46.2007, 0.2636, 0.2365



46.2007, 0.4275, 0.3990



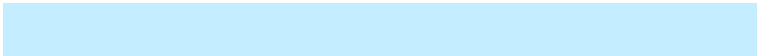
46.2007, 0.3543, 0.4411

Sweetspot

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



46.2023, 0.2079, 0.2478



79.3959, 0.2770, 0.3093



73.6271, 0.2841, 0.5158



16.3842, 0.2715, 0.3058



0.0000, 0.0000, 0.0000



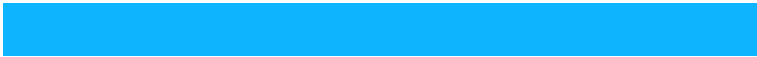
21.4041, 0.3127, 0.3290

Same Dimension

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



46.2023, 0.2079, 0.2478



40.0463, 0.1976, 0.2286



16.4388, 0.1745, 0.1201



19.4689, 0.2980, 0.3214



20.1579, 0.1954, 0.2235



2.1580, 0.1992, 0.2370

Inverse Universe

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



27.9651, 0.3922, 0.2097



24.9135, 0.4137, 0.2075



70.2794, 0.4408, 0.4671



18.1982, 0.3186, 0.3128



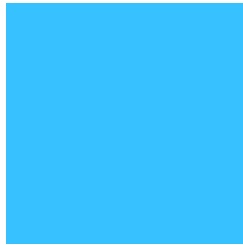
12.7629, 0.4195, 0.2084



1.2624, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 46.2007, 0.2079, 0.2478 looks on a white background.

Color Contrast Check

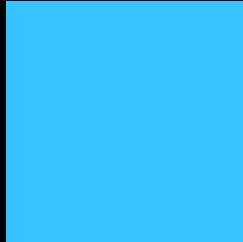
Large Text (above 18pt) WCAG AA × Fail

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 46.2007, 0.2079, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

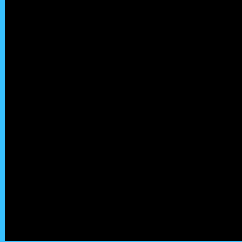
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

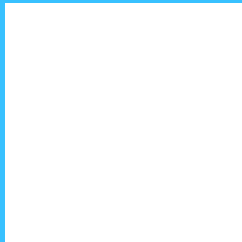
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2007, 0.2079, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 46.2007, 0.2079, 0.2478.



This preview shows how white text looks on a background with the Yxy color 46.2007, 0.2079, 0.2478.

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

46.2007, 0.2079, 0.2478

Protanopia

45.4924, 0.2543, 0.2483

Deuteranopia

45.6401, 0.2417, 0.2361



Tritanopia

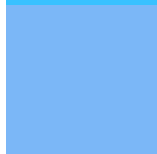
46.2664, 0.2182, 0.3055

Trichromacy



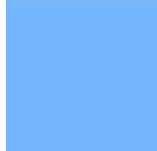
Original Color

46.2007, 0.2079, 0.2478



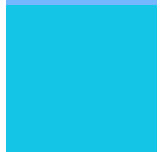
Protanomaly

44.7933, 0.2313, 0.2473



Deuteranomaly

44.8689, 0.2248, 0.2384



Tritanomaly

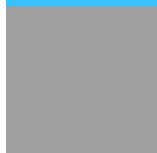
45.7944, 0.2129, 0.2823

Monochromacy



Original Color

46.2007, 0.2079, 0.2478



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.1584, 0.2566, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2007, 0.2079, 0.2478 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(56, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 193, 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(56, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.2007, 0.2079, 0.2478 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(56, 193, 255) }
```

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

```
.border{ border-color:rgb(56, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2007, 0.2079, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 193, 255) }
```

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

```
.background{ background-color: rgb(56, 193,  
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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