

Converting Colors

$Yxy(46.7966, 0.2150, 0.2623)$

Have a look what the booklet for
Yxy(46.7966, 0.2150, 0.2623)
contains.

Yxy(46.8880, 0.2151, 0.2623)	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(46.8880, 0.2151, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	45C3F5
RGB	69, 195, 245
RGB Percent	27%, 76%, 96%
CMY	0.7295, 0.2353, 0.0392
CMYK	0.72, 0.20, 0.00, 0.04
HSL	197°, 90%, 62%
HSV	197°, 72%, 96%
XYZ	38.4507, 46.8880, 93.4185
YIQ	163.0260, -91.1460, -11.1620

Conversions

Conversions Part 2

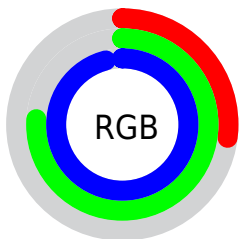
Format	Color
R _{YB}	69, 142, 245
Decimal	4572149
CIE _{Lab}	74.12, -18.65, -34.67
CIE _{LCh}	74, 39.365, 241.725
Yxy	46.8880, 0.2151, 0.2623
Android (android.graphics.Color)	4282762229 (0xFF45C3F5)
YUV	163.0260, 40.4132, -82.4608
Hunter-Lab	68.4748, -19.5978, -32.9555

Details

The Yxy color **46.8880, 0.2151, 0.2623** 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 **33.0362, 0.5152, 0.3755**, and the grayscale version is **36.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2441, 0.2506, 0.3254**, and **22.7239, 0.2012, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **43.1242, 0.2072, 0.2514**, and if you desaturate by 10%, it is **51.1701, 0.2250, 0.2731**.

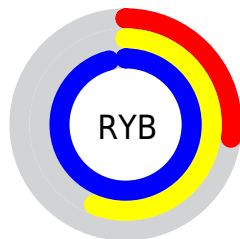
Distribution



Red (27%)

Green (76%)

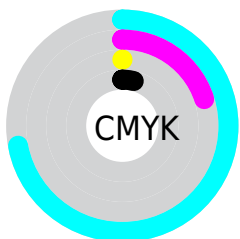
Blue (96%)



Red (27%)

Yellow (56%)

Blue (96%)

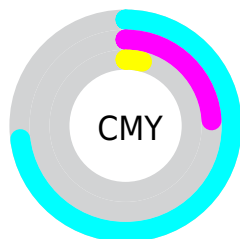


Cyan (72%)

Magenta (20%)

Yellow (0%)

Black (4%)



Cyan (73%)


Magenta (24%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8880, 0.2151, 0.2623 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 46.8880, 0.2151, 0.2623 by changing the saturation by 10% instead.


 46.8880, 0.2151,
0.2623


 46.8880, 0.2151,
0.2623


374.3673, 0.2615,
0.2959


 32.9471, 0.2044,
0.2540


 85.5464, 0.2313,
0.2745


 22.0859, 0.1913,
0.2436


 111.0327, 0.2376,
0.2790

 13.9201, 0.1748,
0.2300


 141.1364, 0.2430,
0.2829

 8.0651, 0.1536,
0.2118

 176.2416, 0.2477,
0.2863

 4.1366, 0.1260,
0.1866

216.7330, 0.2518,
0.2892

 1.7503, 0.0898,
0.1505

262.9948, 0.2554,

 0.4559, 0.0000,

0.2917

0.0912

315.4114, 0.2586,
0.2939

■ 0.0000, 0.0000,
0.0000

■ 46.8880, 0.2151,
0.2623

■ 46.8880, 0.2151,
0.2623

■ 43.1242, 0.2072,
0.2514

■ 51.1701, 0.2250,
0.2731

■ 39.8229, 0.2013,
0.2407

■ 56.0079, 0.2366,
0.2836

■ 37.4111, 0.1978,
0.2320

■ 61.4404, 0.2498,
0.2937

■ 67.5008, 0.2640,
0.3032

■ 74.2195, 0.2790,
0.3121

81.6248, 0.2944,
0.3203

89.7429, 0.3099,
0.3277

96.6534, 0.3188,
0.3345

99.3733, 0.3185,
0.3386

Harmonies

Analogous

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



46.8880, 0.2191, 0.3021



46.8880, 0.2151, 0.2623



46.8880, 0.2338, 0.2438

Triad

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



46.8880, 0.2151, 0.2623



46.8880, 0.3808, 0.3000



46.8880, 0.3458, 0.4288

Complementary

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



46.8880, 0.2151, 0.2623



33.0362, 0.5152, 0.3755

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.



46.8880, 0.3932, 0.4175



46.8880, 0.2151, 0.2623



46.8880, 0.4161, 0.3416

Square

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



46.8880, 0.2151, 0.2623



46.8880, 0.3269, 0.2661



46.8880, 0.4200, 0.3839



46.8880, 0.2919, 0.4065

Rectangle

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



46.8880, 0.2151, 0.2623



46.8880, 0.2580, 0.2431



46.8880, 0.4200, 0.3839



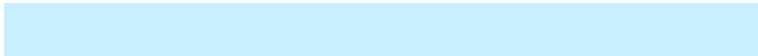
46.8880, 0.3631, 0.4284

Sweetspot

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



46.8897, 0.2151, 0.2623



81.1179, 0.2787, 0.3120



67.9052, 0.2850, 0.5037



16.9198, 0.2745, 0.3096



0.0000, 0.0000, 0.0000



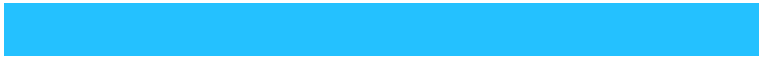
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8897, 0.2151, 0.2623



45.5961, 0.2044, 0.2468



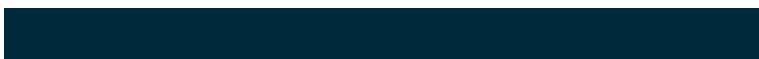
18.3992, 0.1844, 0.1402



17.9156, 0.2980, 0.3221



20.3994, 0.1983, 0.2338



1.9672, 0.2020, 0.2471

Inverse Universe

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



27.6093, 0.3772, 0.2098



26.3404, 0.3945, 0.2019



64.4081, 0.4350, 0.4592



16.6833, 0.3182, 0.3122



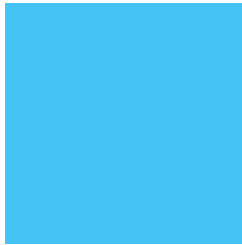
12.1587, 0.4087, 0.2025



1.0862, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 46.8880, 0.2151, 0.2623 looks on a white background.

Color Contrast Check

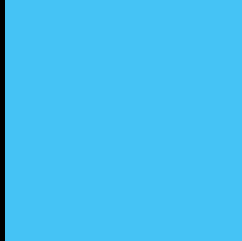
Large Text (above 18pt) WCAG AA × Fail

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 46.8880, 0.2151, 0.2623 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

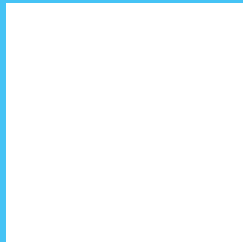
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8880, 0.2151, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 46.8880, 0.2151, 0.2623.



This preview shows how white text looks on a background with the Yxy color 46.8880, 0.2151, 0.2623.

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

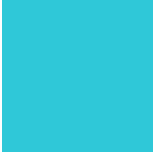
46.8880, 0.2151, 0.2623

Protanopia

46.3389, 0.2647, 0.2623

Deuteranopia

46.4507, 0.2500, 0.2444



Tritanopia

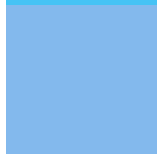
46.8708, 0.2232, 0.3057

Trichromacy



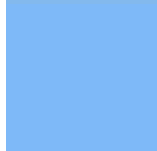
Original Color

46.8880, 0.2151, 0.2623



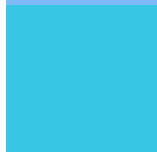
Protanomaly

45.6376, 0.2409, 0.2618



Deuteranomaly

45.9109, 0.2329, 0.2492



Tritanomaly

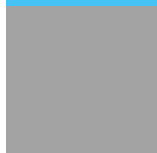
46.7464, 0.2197, 0.2882

Monochromacy



Original Color

46.8880, 0.2151, 0.2623



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.1773, 0.2628, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8880, 0.2151, 0.2623 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(69, 195, 245)` looks like.

```
.text, #text, p{  
    color:rgb(69, 195, 245)  
}
```

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(69, 195, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 195, 245) }
```

Border

The CSS property to change the border of an element to Yxy 46.8880, 0.2151, 0.2623 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(69, 195, 245) }
```

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

```
.border{ border-color:rgb(69, 195, 245) }
```

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

Here you see how a box with a 4 pixel rgb(69, 195, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 195, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 195, 245);  
box-shadow:4px 4px 4px 4px rgb(69, 195,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8880, 0.2151, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 195, 245) }
```

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

```
.background{ background-color: rgb(69, 195,  
245) }
```

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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