

Converting Colors

$Yxy(46.4924, 0.2093, 0.2678)$

Have a look what the booklet for
Yxy(46.4924, 0.2093, 0.2678)
contains.

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Color

Yxy(46.5629, 0.2092, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	1AC5F2
RGB	26, 197, 242
RGB Percent	10%, 77%, 95%
CMY	0.8994, 0.2274, 0.0509
CMYK	0.89, 0.19, 0.00, 0.05
HSL	192°, 89%, 52%
HSV	192°, 89%, 95%
XYZ	36.4148, 46.5629, 91.0892
YIQ	151.0010, -116.3610, -22.2570

Conversions

Conversions Part 2

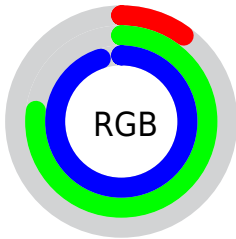
Format	Color
R _Y B	26, 121, 242
Decimal	1754610
CIE Lab	73.91, -24.39, -33.44
CIE LCh	74, 41.387, 233.887
Yxy	46.5629, 0.2092, 0.2675
Android (android.graphics.Color)	4279944690 (0xFF1AC5F2)
YUV	151.0010, 44.8625, -109.6259
Hunter-Lab	68.2370, -24.1579, -31.3800

Details

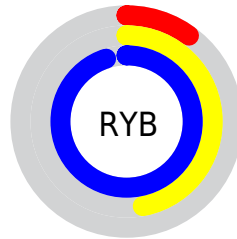
The Yxy color **46.5629, 0.2092, 0.2675** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.4195, 0.5926, 0.3555**, and the grayscale version is **30.7481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8855, 0.2434, 0.3276**, and **23.1901, 0.2035, 0.2526** is the 20% darker color. If you saturate the color by 10%, you get **44.1100, 0.2056, 0.2599**, and if you desaturate by 10%, it is **49.3492, 0.2145, 0.2752**.

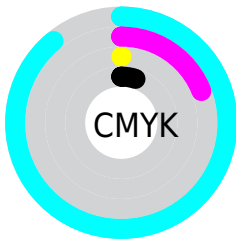
Distribution



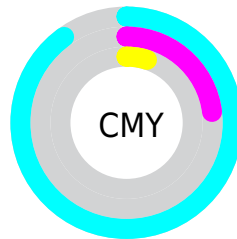
- Red (10%)
- Green (77%)
- Blue (95%)



- Red (10%)
- Yellow (47%)
- Blue (95%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)




- Cyan (90%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5629, 0.2092, 0.2675 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 46.5629, 0.2092, 0.2675 by changing the saturation by 10% instead.

 46.5629, 0.2092,
0.2675


 46.5629, 0.2092,
0.2675

373.0671, 0.2583,
0.2991

 32.6902, 0.1980,
0.2596


 85.0608, 0.2263,
0.2790


 21.8893, 0.1841,
0.2495


 110.4548, 0.2330,
0.2833


 13.7756, 0.1668,
0.2363


 140.4581, 0.2387,
0.2870

 7.9647, 0.1447,
0.2185

 175.4551, 0.2436,
0.2901

 4.0724, 0.1161,
0.1933

 215.8300, 0.2480,
0.2928

 1.7141, 0.0794,
0.1567

261.9674, 0.2518,

 0.4328, 0.0000,

0.2952

0.0927

314.2516, 0.2552,
0.2972

0.0000, 0.0000,
0.0000

46.5629, 0.2092,
0.2675

46.5629, 0.2092,
0.2675

44.1100, 0.2056,
0.2599

49.3492, 0.2145,
0.2752

43.9672, 0.2054,
0.2595

52.5353, 0.2218,
0.2829

56.1686, 0.2310,
0.2905

60.2876, 0.2420,
0.2980

64.9264, 0.2546,
0.3051

■ 70.1152, 0.2683,
0.3119

■ 75.8821, 0.2830,
0.3182

■ 82.2528, 0.2982,
0.3240

■ 89.2514, 0.3137,
0.3293

Harmonies

Analogous

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



46.5629, 0.2196, 0.3145



46.5629, 0.2092, 0.2675



46.5629, 0.2226, 0.2424

Triad

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



46.5629, 0.2092, 0.2675



46.5629, 0.3707, 0.2881



46.5629, 0.3615, 0.4343

Complementary

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



46.5629, 0.2092, 0.2675



23.4195, 0.5926, 0.3555

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.



46.5629, 0.4072, 0.4141



46.5629, 0.2092, 0.2675



46.5629, 0.4149, 0.3301

Square

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



46.5629, 0.2092, 0.2675



46.5629, 0.3119, 0.2560



46.5629, 0.4280, 0.3750



46.5629, 0.3051, 0.4208

Rectangle

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



46.5629, 0.2092, 0.2675



46.5629, 0.2442, 0.2381



46.5629, 0.4280, 0.3750



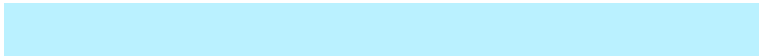
46.5629, 0.3787, 0.4307

Sweetspot

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



46.5645, 0.2092, 0.2675



80.3970, 0.2717, 0.3134



64.1615, 0.2925, 0.5645



16.7537, 0.2668, 0.3111



0.0000, 0.0000, 0.0000



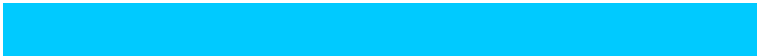
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5645, 0.2092, 0.2675



49.4372, 0.2054, 0.2593



14.0363, 0.1681, 0.1171



17.3380, 0.2981, 0.3240



23.8183, 0.2058, 0.2607



2.1200, 0.2085, 0.2707

Inverse Universe

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



23.6368, 0.3747, 0.1882



25.5219, 0.3831, 0.1884



50.4437, 0.4738, 0.4548



15.9718, 0.3170, 0.3105



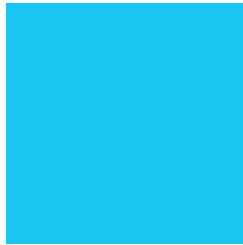
12.1978, 0.3817, 0.1876



1.0287, 0.3721, 0.1824

Previews

White Background



This preview shows how the Yxy color 46.5629, 0.2092, 0.2675 looks on a white background.

Color Contrast Check

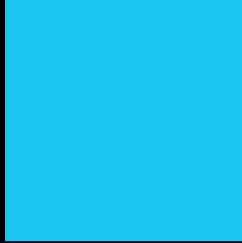
Large Text (above 18pt) WCAG AA × Fail

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 46.5629, 0.2092, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

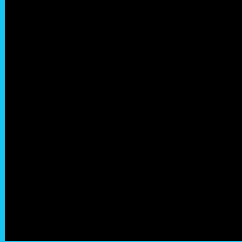
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5629, 0.2092, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 46.5629, 0.2092, 0.2675.



This preview shows how white text looks on a background with the Yxy color 46.5629, 0.2092, 0.2675.

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

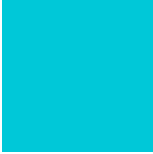
46.5629, 0.2092, 0.2675

Protanopia

45.7671, 0.2684, 0.2666

Deuteranopia

45.9682, 0.2522, 0.2463



Tritanopia

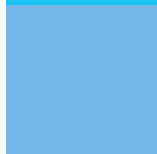
46.2664, 0.2182, 0.3055

Trichromacy



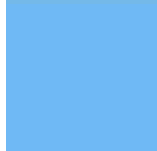
Original Color

46.5629, 0.2092, 0.2675



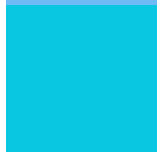
Protanomaly

44.2941, 0.2349, 0.2650



Deuteranomaly

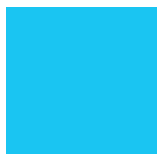
44.6700, 0.2270, 0.2510



Tritanomaly

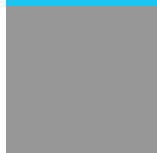
46.3412, 0.2148, 0.2917

Monochromacy



Original Color

46.5629, 0.2092, 0.2675



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.4692, 0.2510, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5629, 0.2092, 0.2675 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(26, 197, 242)` looks like.

```
.text, #text, p{  
    color:rgb(26, 197, 242)  
}
```

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(26, 197, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 197, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.5629, 0.2092, 0.2675 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(26, 197, 242) }
```

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

```
.border{ border-color:rgb(26, 197, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 197, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 197, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 197, 242);  
box-shadow:4px 4px 4px 4px rgb(26, 197,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5629, 0.2092, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 197, 242) }
```

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

```
.background{ background-color: rgb(26, 197,  
242) }
```

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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