

Converting Colors

$Yxy(46.4218, 0.2090, 0.2686)$

Have a look what the booklet for
Yxy(46.4218, 0.2090, 0.2686)
contains.

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Color

Yxy(46.4321, 0.2090, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	14C5F1
RGB	20, 197, 241
RGB Percent	8%, 77%, 95%
CMY	0.9233, 0.2274, 0.0548
CMYK	0.92, 0.18, 0.00, 0.05
HSL	192°, 89%, 51%
HSV	192°, 92%, 95%
XYZ	36.1292, 46.4321, 90.3058
YIQ	149.0930, -119.6160, -23.8400

Conversions

Conversions Part 2

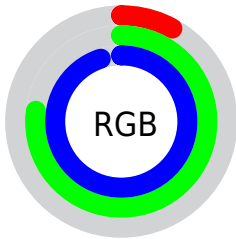
Format	Color
R _Y B	20, 118, 241
Decimal	1361393
CIE Lab	73.83, -24.98, -33.04
CIE LCh	74, 41.420, 232.906
Yxy	46.4321, 0.2090, 0.2686
Android (android.graphics.Color)	4279551473 (0xFF14C5F1)
YUV	149.0930, 45.3102, -113.2146
Hunter-Lab	68.1411, -24.6041, -30.8768

Details

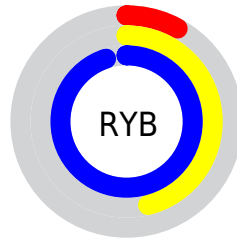
The Yxy color **46.4321, 0.2090, 0.2686** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **22.3781, 0.6015, 0.3522**, and the grayscale version is **29.8865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7485, 0.2427, 0.3276**, and **23.1477, 0.2039, 0.2540** is the 20% darker color. If you saturate the color by 10%, you get **44.5452, 0.2063, 0.2628**, and if you desaturate by 10%, it is **49.0289, 0.2137, 0.2759**.

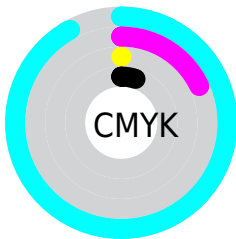
Distribution



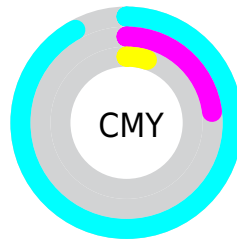
- Red (8%)
- Green (77%)
- Blue (95%)



- Red (8%)
- Yellow (46%)
- Blue (95%)



- Cyan (92%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)





- Cyan (92%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4321, 0.2090, 0.2686 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 46.4321, 0.2090, 0.2686 by changing the saturation by 10% instead.


 46.4321, 0.2090,
0.2686


 46.4321, 0.2090,
0.2686


372.5431, 0.2582,
0.2997


 32.5869, 0.1977,
0.2608


 84.8653, 0.2262,
0.2800

 21.8102, 0.1838,
0.2508


 110.2221, 0.2328,
0.2842


 13.7175, 0.1665,
0.2377


 140.1850, 0.2385,
0.2878

 7.9244, 0.1443,
0.2200

 175.1382, 0.2435,
0.2909

 4.0466, 0.1156,
0.1949

 215.4663, 0.2479,
0.2935

 1.6997, 0.0786,
0.1582

261.5535, 0.2517,

 0.4235, 0.0000,

0.2959

0.0929

313.7843, 0.2551,
0.2979

■ 0.0000, 0.0000,
0.0000

■ 46.4321, 0.2090,
0.2686

■ 46.4321, 0.2090,
0.2686

■ 44.5452, 0.2063,
0.2628

■ 49.0289, 0.2137,
0.2759

■ 52.0025, 0.2204,
0.2832

■ 55.4020, 0.2290,
0.2905

■ 59.2672, 0.2395,
0.2976

■ 63.6324, 0.2515,
0.3045

■ 68.5285, 0.2649,
0.3111

■ 73.9836, 0.2793,
0.3172

■ 80.0236, 0.2944,
0.3229

■ 86.6727, 0.3098,
0.3281

Harmonies

Analogous

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



46.4321, 0.2202, 0.3163



46.4321, 0.2090, 0.2686



46.4321, 0.2217, 0.2427

Triad

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



46.4321, 0.2090, 0.2686



46.4321, 0.3690, 0.2868



46.4321, 0.3633, 0.4343

Complementary

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



46.4321, 0.2090, 0.2686



22.3781, 0.6015, 0.3522

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.



46.4321, 0.4085, 0.4132



46.4321, 0.2090, 0.2686



46.4321, 0.4141, 0.3286

Square

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



46.4321, 0.2090, 0.2686



46.4321, 0.3100, 0.2551



46.4321, 0.4284, 0.3736



46.4321, 0.3069, 0.4220

Rectangle

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



46.4321, 0.2090, 0.2686



46.4321, 0.2428, 0.2380



46.4321, 0.4284, 0.3736



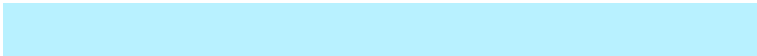
46.4321, 0.3804, 0.4303

Sweetspot

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



46.4337, 0.2090, 0.2686



80.1564, 0.2703, 0.3135



63.4052, 0.2939, 0.5723



16.6026, 0.2642, 0.3107



0.0000, 0.0000, 0.0000



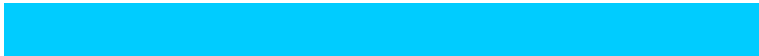
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4337, 0.2090, 0.2686



50.5506, 0.2063, 0.2625



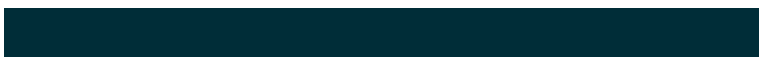
13.7593, 0.1672, 0.1162



17.3639, 0.2981, 0.3242



24.3423, 0.2067, 0.2639



2.1592, 0.2093, 0.2735

Inverse Universe

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



23.2243, 0.3738, 0.1863



25.6343, 0.3799, 0.1867



47.8467, 0.4807, 0.4514



15.9744, 0.3168, 0.3103



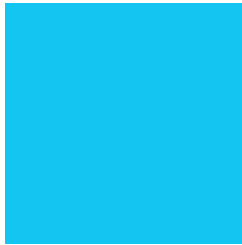
12.2507, 0.3786, 0.1859



1.0327, 0.3696, 0.1809

Previews

White Background



This preview shows how the Yxy color 46.4321, 0.2090, 0.2686 looks on a white background.

Color Contrast Check

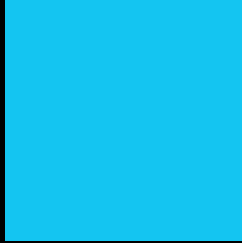
Large Text (above 18pt) WCAG AA × Fail

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 46.4321, 0.2090, 0.2686 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 46.4321, 0.2090, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 46.4321, 0.2090, 0.2686.



This preview shows how white text looks on a background with the Yxy color 46.4321, 0.2090, 0.2686.

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

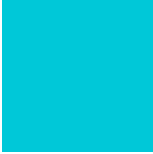
46.4321, 0.2090, 0.2686

Protanopia

45.7117, 0.2691, 0.2678

Deuteranopia

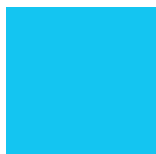
45.9069, 0.2527, 0.2474



Tritanopia

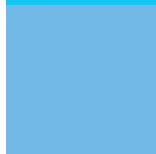
46.2664, 0.2182, 0.3055

Trichromacy



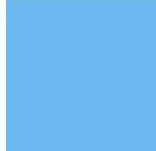
Original Color

46.4321, 0.2090, 0.2686



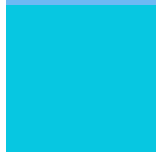
Protanomaly

44.1015, 0.2344, 0.2661



Deuteranomaly

44.4808, 0.2265, 0.2520



Tritanomaly

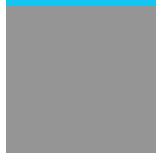
46.3283, 0.2147, 0.2917

Monochromacy



Original Color

46.4321, 0.2090, 0.2686



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.4746, 0.2499, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4321, 0.2090, 0.2686 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(20, 197, 241)` looks like.

```
.text, #text, p{  
    color:rgb(20, 197, 241)  
}
```

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(20, 197, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 197, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.4321, 0.2090, 0.2686 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(20, 197, 241) }
```

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

```
.border{ border-color:rgb(20, 197, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 197, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 197, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 197, 241);  
box-shadow:4px 4px 4px 4px rgb(20, 197,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4321, 0.2090, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 197, 241) }
```

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

```
.background{ background-color: rgb(20, 197,  
241) }
```

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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