

Converting Colors

$Yxy(38.4694, 0.1399, 0.2745)$

Have a look what the booklet for
Yxy(38.4694, 0.1399, 0.2745)
contains.

Yxy(46.1577, 0.2118, 0.2824)	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(46.1577, 0.2118, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	00C6E7
RGB	0, 198, 231
RGB Percent	0%, 78%, 91%
CMY	0.9987, 0.2235, 0.0942
CMYK	1.00, 0.14, 0.00, 0.09
HSL	189°, 100%, 45%
HSV	189°, 100%, 91%
XYZ	34.6183, 46.1577, 82.6720
YIQ	142.5600, -128.6010, -31.7130

Conversions

Conversions Part 2

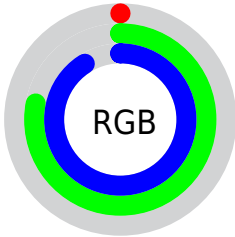
Format	Color
RYB	0, 107, 231
Decimal	50919
CIELab	73.65, -29.34, -27.89
CIELCh	74, 40.481, 223.553
Yxy	46.1577, 0.2118, 0.2824
Android (android.graphics.Color)	4278240999 (0xFF00C6E7)
YUV	142.5600, 43.6009, -125.0251
Hunter-Lab	67.9395, -27.9401, -24.5893

Details

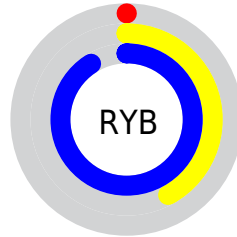
The Yxy color **46.1577, 0.2118, 0.2824** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.0919, 0.6282, 0.3392**, and the grayscale version is **27.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **23.0417, 0.2088, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **46.1354, 0.2118, 0.2823**, and if you desaturate by 10%, it is **47.8710, 0.2146, 0.2874**.

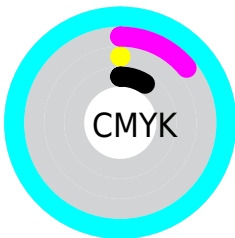
Distribution



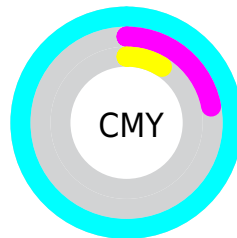
- Red (0%)
- Green (78%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1577, 0.2118, 0.2824 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 46.1577, 0.2118, 0.2824 by changing the saturation by 10% instead.

 46.1577, 0.2118,
0.2824


 46.1577, 0.2118,
0.2824


371.4423, 0.2599,
0.3071


 32.3703, 0.2007,
0.2760


 84.4550, 0.2287,
0.2916


 21.6445, 0.1869,
0.2677


 109.7336, 0.2352,
0.2950


 13.5959, 0.1695,
0.2566


 139.6114, 0.2408,
0.2978

 7.8402, 0.1472,
0.2411

 174.4728, 0.2456,
0.3002

 3.9928, 0.1180,
0.2184

 214.7022, 0.2499,
0.3023

 1.6696, 0.0791,
0.1834

260.6840, 0.2536,

 0.4038, 0.0000,

0.3041

0.1118

312.8026, 0.2569,
0.3057

■ 0.0000, 0.0000,
0.0000

■ 46.1577, 0.2118,
0.2824

■ 46.1577, 0.2118,
0.2824

■ 46.1354, 0.2118,
0.2823

■ 47.8710, 0.2146,
0.2874

■ 49.8365, 0.2190,
0.2925

■ 52.1246, 0.2253,
0.2976

■ 54.7757, 0.2335,
0.3027

■ 57.8240, 0.2436,
0.3077

■ 61.2995, 0.2553,
0.3125

■ 65.2290, 0.2684,
0.3171

■ 69.6372, 0.2826,
0.3214

■ 74.5467, 0.2975,
0.3254

Harmonies

Analogous

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



46.1577, 0.2303, 0.3344



46.1577, 0.2118, 0.2824



46.1577, 0.2170, 0.2499

Triad

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



46.1577, 0.2118, 0.2824



46.1577, 0.3503, 0.2765



46.1577, 0.3781, 0.4286

Complementary

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



46.1577, 0.2118, 0.2824



18.0919, 0.6282, 0.3392

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.



46.1577, 0.4159, 0.4008



46.1577, 0.2118, 0.2824



46.1577, 0.4009, 0.3153

Square

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



46.1577, 0.2118, 0.2824



46.1577, 0.2925, 0.2497



46.1577, 0.4254, 0.3593



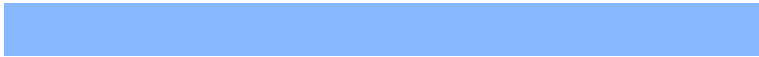
46.1577, 0.3247, 0.4277

Rectangle

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



46.1577, 0.2118, 0.2824



46.1577, 0.2333, 0.2407



46.1577, 0.4254, 0.3593



46.1577, 0.3931, 0.4218

Sweetspot

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



46.1593, 0.2118, 0.2824



81.4824, 0.2680, 0.3170



57.2434, 0.2975, 0.5908



16.9807, 0.2623, 0.3150



0.0000, 0.0000, 0.0000



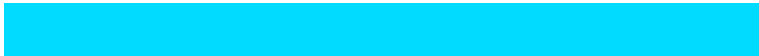
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1593, 0.2118, 0.2824



57.6417, 0.2117, 0.2821



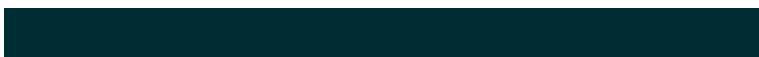
12.2527, 0.1652, 0.1146



15.9665, 0.2981, 0.3256



26.0090, 0.2120, 0.2831



2.0187, 0.2140, 0.2905

Inverse Universe

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



21.0705, 0.3612, 0.1764



26.3501, 0.3616, 0.1765



37.6714, 0.5036, 0.4382



14.5779, 0.3160, 0.3091



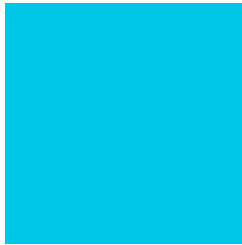
11.8233, 0.3606, 0.1760



0.8835, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 46.1577, 0.2118, 0.2824 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 46.1577, 0.2118, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

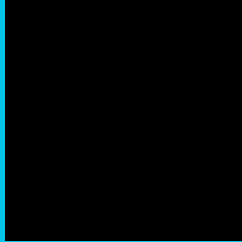
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1577, 0.2118, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 46.1577, 0.2118, 0.2824.

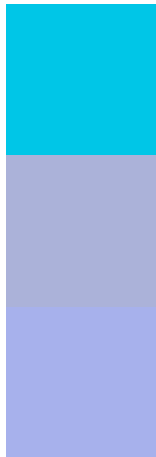


This preview shows how white text looks on a background with the Yxy color 46.1577, 0.2118, 0.2824.

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

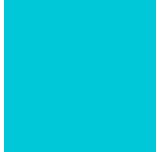
46.1577, 0.2118, 0.2824

Protanopia

45.5085, 0.2779, 0.2795

Deuteranopia

45.7159, 0.2626, 0.2565



Tritanopia

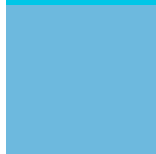
46.2664, 0.2182, 0.3055

Trichromacy



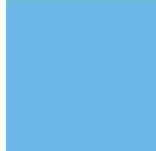
Original Color

46.1577, 0.2118, 0.2824



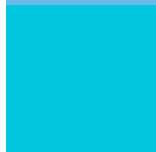
Protanomaly

43.2231, 0.2368, 0.2778



Deuteranomaly

43.7026, 0.2296, 0.2631



Tritanomaly

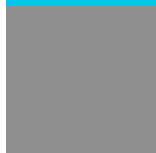
46.0673, 0.2159, 0.2971

Monochromacy



Original Color

46.1577, 0.2118, 0.2824



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.5137, 0.2466, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1577, 0.2118, 0.2824 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(0, 198, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 231)  
}
```

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(0, 198, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 231) }
```

Border

The CSS property to change the border of an element to Yxy 46.1577, 0.2118, 0.2824 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(0, 198, 231) }
```

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

```
.border{ border-color:rgb(0, 198, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1577, 0.2118, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 231) }
```

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

```
.background{ background-color: rgb(0, 198,  
231) }
```

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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