

Converting Colors

$Y_{xy}(46.1615, 0.2188, 0.2913)$

Have a look what the booklet for
Yxy(46.1615, 0.2188, 0.2913)
contains.

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Color

Yxy(46.3508, 0.2190, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	2EC6E0
RGB	46, 198, 224
RGB Percent	18%, 78%, 88%
CMY	0.8207, 0.2234, 0.1216
CMYK	0.80, 0.12, 0.00, 0.12
HSL	189°, 74%, 53%
HSV	189°, 80%, 88%
XYZ	34.7631, 46.3508, 77.6217
YIQ	155.5160, -98.9380, -24.1380

Conversions

Conversions Part 2

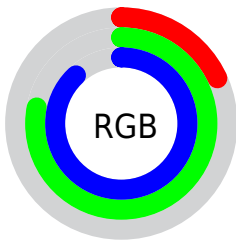
Format	Color
RYB	46, 128, 224
Decimal	3065568
CIELab	73.77, -29.38, -23.88
CIELCh	74, 37.862, 219.110
Yxy	46.3508, 0.2190, 0.2920
Android (android.graphics.Color)	4281255648 (0xFF2EC6E0)
YUV	155.5160, 33.7626, -96.0455
Hunter-Lab	68.0814, -27.9985, -19.9414

Details

The Yxy color **46.3508, 0.2190, 0.2920** 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 **20.6320, 0.5689, 0.3502**, and the grayscale version is **32.8632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **22.8111, 0.2116, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **44.4888, 0.2145, 0.2868**, and if you desaturate by 10%, it is **48.5187, 0.2254, 0.2972**.

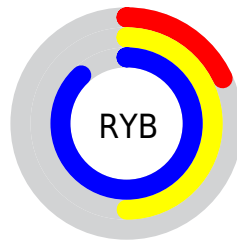
Distribution



Red (18%)

Green (78%)

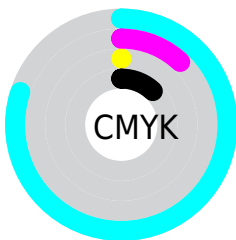
Blue (88%)



Red (18%)

Yellow (50%)

Blue (88%)

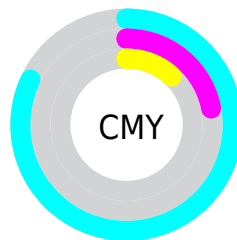


Cyan (80%)

Magenta (12%)

Yellow (0%)

Black (12%)



Cyan (82%)


Magenta (22%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3508, 0.2190, 0.2920 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 46.3508, 0.2190, 0.2920 by changing the saturation by 10% instead.


 46.3508, 0.2190,
0.2920

 46.3508, 0.2190,
0.2920


372.2172, 0.2639,
0.3118


 32.5227, 0.2085,
0.2868


 84.7438, 0.2348,
0.2995


 21.7611, 0.1954,
0.2799


 110.0774, 0.2409,
0.3022


 13.6815, 0.1788,
0.2706


 140.0151, 0.2461,
0.3045

 7.8994, 0.1573,
0.2574

 174.9412, 0.2507,
0.3064

 4.0307, 0.1285,
0.2376

 215.2400, 0.2546,
0.3080

 1.6907, 0.0891,
0.2058

261.2960, 0.2581,

 0.4176, 0.0000,

0.3095

0.1361

313.4936, 0.2612,
0.3107

■ 0.0000, 0.0000,
0.0000

■ 46.3508, 0.2190,
0.2920

■ 46.3508, 0.2190,
0.2920

■ 44.4888, 0.2145,
0.2868

■ 48.5187, 0.2254,
0.2972

■ 42.8653, 0.2116,
0.2817

■ 51.0249, 0.2337,
0.3024

■ 42.8011, 0.2115,
0.2815

■ 53.9025, 0.2439,
0.3075

■ 57.1792, 0.2557,
0.3124

■ 60.8800, 0.2688,
0.3170

■ 65.0274, 0.2830,
0.3214

■ 69.6426, 0.2980,
0.3254

■ 74.7451, 0.3133,
0.3291

■ 80.3534, 0.3289,
0.3325

Harmonies

Analogous

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



46.3508, 0.2399, 0.3423



46.3508, 0.2190, 0.2920



46.3508, 0.2206, 0.2582

Triad

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



46.3508, 0.2190, 0.2920



46.3508, 0.3399, 0.2751



46.3508, 0.3808, 0.4198

Complementary

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



46.3508, 0.2190, 0.2920



20.6320, 0.5689, 0.3502

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.



46.3508, 0.4126, 0.3916



46.3508, 0.2190, 0.2920



46.3508, 0.3892, 0.3105

Square

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



46.3508, 0.2190, 0.2920



46.3508, 0.2864, 0.2518



46.3508, 0.4165, 0.3518



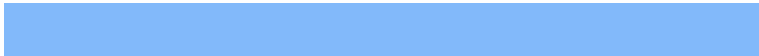
46.3508, 0.3321, 0.4230

Rectangle

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



46.3508, 0.2190, 0.2920



46.3508, 0.2339, 0.2472



46.3508, 0.4165, 0.3518



46.3508, 0.3939, 0.4125

Sweetspot

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



46.3525, 0.2190, 0.2920



84.6276, 0.2764, 0.3194



54.3115, 0.2949, 0.5551



17.6929, 0.2713, 0.3178



0.0000, 0.0000, 0.0000



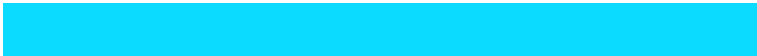
21.4041, 0.3127, 0.3290

Same Dimension

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



46.3525, 0.2190, 0.2920



58.1315, 0.2124, 0.2832



17.3408, 0.1835, 0.1571



15.2143, 0.2982, 0.3255



25.0496, 0.2118, 0.2823



1.8304, 0.2140, 0.2902

Inverse Universe

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



21.8541, 0.3515, 0.1833



26.6143, 0.3604, 0.1770



40.7038, 0.4715, 0.4406



13.8995, 0.3160, 0.3092



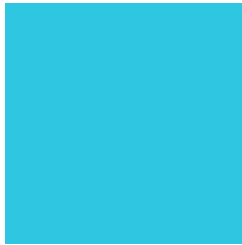
11.4368, 0.3613, 0.1764



0.8022, 0.3541, 0.1725

Previews

White Background



This preview shows how the Yxy color 46.3508, 0.2190, 0.2920 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 46.3508, 0.2190, 0.2920 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 46.3508, 0.2190, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 46.3508, 0.2190, 0.2920.



This preview shows how white text looks on a background with the Yxy color 46.3508, 0.2190, 0.2920.

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

46.3508, 0.2190, 0.2920

Protanopia

45.5426, 0.2844, 0.2869

Deuteranopia

45.8721, 0.2706, 0.2648



Tritanopia

46.1980, 0.2211, 0.3042

Trichromacy



Original Color

46.3508, 0.2190, 0.2920



Protanomaly

44.1678, 0.2498, 0.2866



Deuteranomaly

44.6796, 0.2432, 0.2729



Tritanomaly

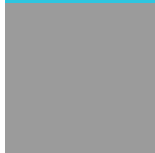
46.4124, 0.2204, 0.3001

Monochromacy



Original Color

46.3508, 0.2190, 0.2920



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.0659, 0.2609, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3508, 0.2190, 0.2920 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(46, 198, 224)` looks like.

```
.text, #text, p{  
    color:rgb(46, 198, 224)  
}
```

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(46, 198, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 198, 224) }
```

Border

The CSS property to change the border of an element to Yxy 46.3508, 0.2190, 0.2920 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(46, 198, 224) }
```

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

```
.border{ border-color:rgb(46, 198, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 198, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 198, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 198, 224);  
box-shadow:4px 4px 4px 4px rgb(46, 198,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3508, 0.2190, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 198, 224) }
```

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

```
.background{ background-color: rgb(46, 198,  
224) }
```

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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