

Converting Colors

$Y_{xy}(46.5918, 0.2238, 0.3097)$

Have a look what the booklet for
Yxy(46.5918, 0.2238, 0.3097)
contains.

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Color

Yxy(46.6481, 0.2239, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	2CC8D5
RGB	44, 200, 213
RGB Percent	17%, 78%, 84%
CMY	0.8274, 0.2157, 0.1647
CMYK	0.79, 0.06, 0.00, 0.16
HSL	185°, 67%, 50%
HSV	185°, 79%, 84%
XYZ	33.7028, 46.6481, 70.1754
YIQ	154.8380, -97.1490, -29.0290

Conversions

Conversions Part 2

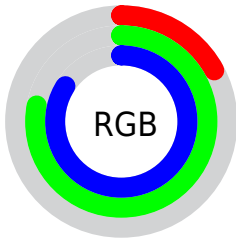
Format	Color
R _Y B	44, 125, 213
Decimal	2934997
CIE Lab	73.96, -33.88, -17.65
CIE LCh	74, 38.198, 207.516
Yxy	46.6481, 0.2239, 0.3099
Android (android.graphics.Color)	4281125077 (0xFF2CC8D5)
YUV	154.8380, 28.6739, -97.2049
Hunter-Lab	68.2994, -31.4419, -13.1089

Details

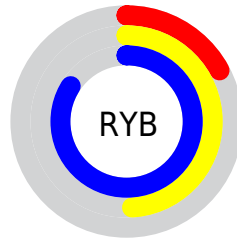
The Yxy color **46.6481, 0.2239, 0.3099** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2550, 0.5781, 0.3398**, and the grayscale version is **32.6090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **22.7194, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **45.5382, 0.2202, 0.3073**, and if you desaturate by 10%, it is **48.0114, 0.2294, 0.3125**.

Distribution



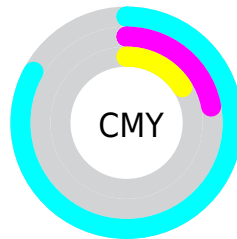
- Red (17%)
- Green (78%)
- Blue (84%)



- Red (17%)
- Yellow (49%)
- Blue (84%)



- Cyan (79%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)




- Cyan (83%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6481, 0.2239, 0.3099 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 46.6481, 0.2239, 0.3099 by changing the saturation by 10% instead.


 46.6481, 0.2239,
0.3099

 46.6481, 0.2239,
0.3099


373.4081, 0.2667,
0.3209


 32.7576, 0.2138,
0.3068


 85.1881, 0.2391,
0.3142


 21.9408, 0.2012,
0.3026


 110.6064, 0.2449,
0.3157


 13.8134, 0.1850,
0.2967


 140.6360, 0.2498,
0.3169

 7.9910, 0.1638,
0.2879

 175.6613, 0.2541,
0.3180

 4.0892, 0.1350,
0.2739

 216.0668, 0.2579,
0.3189

 1.7236, 0.0931,
0.2499

262.2369, 0.2612,

 0.4389, 0.0000,

0.3196

0.1859

314.5558, 0.2641,
0.3203

■ 0.0000, 0.0000,
0.0000

■ 46.6481, 0.2239,
0.3099

■ 46.6481, 0.2239,
0.3099

■ 45.5382, 0.2202,
0.3073

■ 48.0114, 0.2294,
0.3125

■ 44.6220, 0.2181,
0.3047

■ 49.6555, 0.2369,
0.3152

■ 44.5634, 0.2179,
0.3046

■ 51.6096, 0.2463,
0.3178

■ 53.8981, 0.2573,
0.3203

■ 56.5426, 0.2699,
0.3227

■ 59.5631, 0.2837,
0.3250

■ 62.9779, 0.2984,
0.3272

■ 66.8043, 0.3138,
0.3291

■ 71.0584, 0.3294,
0.3309

Harmonies

Analogous

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



46.6481, 0.2532, 0.3635



46.6481, 0.2239, 0.3099



46.6481, 0.2167, 0.2684

Triad

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



46.6481, 0.2239, 0.3099



46.6481, 0.3188, 0.2640



46.6481, 0.3963, 0.4116

Complementary

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



46.6481, 0.2239, 0.3099



17.2550, 0.5781, 0.3398

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.



46.6481, 0.4185, 0.3772



46.6481, 0.2239, 0.3099



46.6481, 0.3723, 0.2955

Square

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



46.6481, 0.2239, 0.3099



46.6481, 0.2678, 0.2466



46.6481, 0.4101, 0.3356



46.6481, 0.3523, 0.4262

Rectangle

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



46.6481, 0.2239, 0.3099



46.6481, 0.2245, 0.2519



46.6481, 0.4101, 0.3356



46.6481, 0.4067, 0.4017

Sweetspot

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



46.6498, 0.2239, 0.3099



87.2170, 0.2768, 0.3239



48.4012, 0.2983, 0.5656



18.3260, 0.2719, 0.3231



0.0000, 0.0000, 0.0000



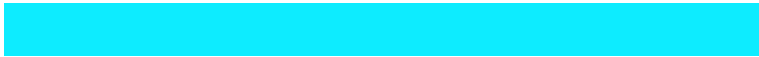
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6498, 0.2239, 0.3099



67.5093, 0.2187, 0.3056



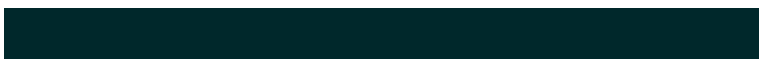
18.1188, 0.1888, 0.1759



13.9368, 0.2983, 0.3271



27.2904, 0.2180, 0.3049



1.6957, 0.2193, 0.3094

Inverse Universe

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



20.1186, 0.3360, 0.1744



27.6193, 0.3404, 0.1662



33.0173, 0.4833, 0.4285



12.6155, 0.3149, 0.3078



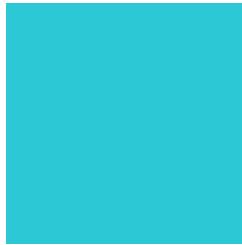
11.0998, 0.3411, 0.1653



0.6745, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 46.6481, 0.2239, 0.3099 looks on a white background.

Color Contrast Check

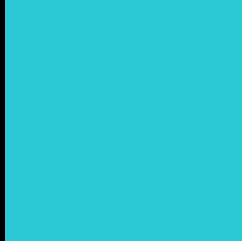
Large Text (above 18pt) WCAG AA × Fail

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 46.6481, 0.2239, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

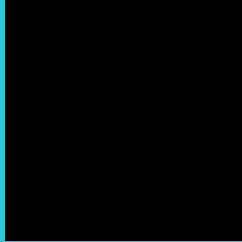
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6481, 0.2239, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 46.6481, 0.2239, 0.3099.



This preview shows how white text looks on a background with the Yxy color 46.6481, 0.2239, 0.3099.

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

46.6481, 0.2239, 0.3099

Protanopia

45.8287, 0.2963, 0.3032

Deuteranopia

45.6963, 0.2832, 0.2767



Tritanopia

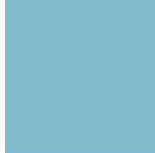
46.8708, 0.2232, 0.3057

Trichromacy



Original Color

46.6481, 0.2239, 0.3099



Protanomaly

44.5674, 0.2583, 0.3052



Deuteranomaly

44.4016, 0.2516, 0.2868



Tritanomaly

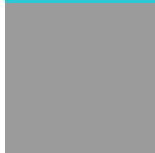
46.7957, 0.2234, 0.3071

Monochromacy



Original Color

46.6481, 0.2239, 0.3099



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.9052, 0.2635, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6481, 0.2239, 0.3099 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(44, 200, 213)` looks like.

```
.text, #text, p{  
    color:rgb(44, 200, 213)  
}
```

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(44, 200, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 200, 213) }
```

Border

The CSS property to change the border of an element to Yxy 46.6481, 0.2239, 0.3099 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(44, 200, 213) }
```

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

```
.border{ border-color:rgb(44, 200, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 200, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 200, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 200, 213);  
box-shadow:4px 4px 4px 4px rgb(44, 200,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6481, 0.2239, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 200, 213) }
```

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

```
.background{ background-color: rgb(44, 200,  
213) }
```

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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