

Converting Colors

$Yxy(46.4313, 0.2239, 0.3057)$

Have a look what the booklet for
Yxy(46.4313, 0.2239, 0.3057)
contains.

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Color

Yxy(46.4313, 0.2239, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	32C7D7
RGB	50, 199, 215
RGB Percent	20%, 78%, 84%
CMY	0.8034, 0.2196, 0.1569
CMYK	0.77, 0.07, 0.00, 0.16
HSL	186°, 67%, 52%
HSV	186°, 77%, 84%
XYZ	34.0071, 46.4313, 71.4468
YIQ	156.2730, -93.9400, -26.6120

Conversions

Conversions Part 2

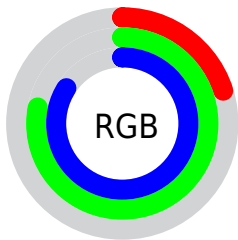
Format	Color
R _{YB}	50, 128, 215
Decimal	3327959
CIE Lab	73.82, -32.21, -18.93
CIE LCh	74, 37.362, 210.434
Yxy	46.4313, 0.2239, 0.3057
Android (android.graphics.Color)	4281518039 (0xFF32C7D7)
YUV	156.2730, 28.9524, -93.2014
Hunter-Lab	68.1405, -30.1614, -14.4685

Details

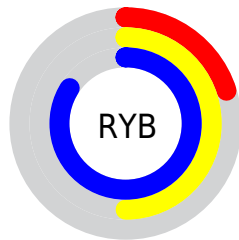
The Yxy color **46.4313, 0.2239, 0.3057** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.5862, 0.5642, 0.3432**, and the grayscale version is **33.2910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **22.7889, 0.2166, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **45.0547, 0.2195, 0.3024**, and if you desaturate by 10%, it is **48.0810, 0.2302, 0.3091**.

Distribution



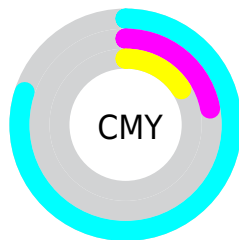
- Red (20%)
- Green (78%)
- Blue (84%)



- Red (20%)
- Yellow (50%)
- Blue (84%)



- Cyan (77%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (80%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4313, 0.2239, 0.3057 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 46.4313, 0.2239, 0.3057 by changing the saturation by 10% instead.


 46.4313, 0.2239,
0.3057

 46.4313, 0.2239,
0.3057


372.5399, 0.2667,
0.3187


 32.5863, 0.2138,
0.3021


 84.8641, 0.2390,
0.3107


 21.8097, 0.2012,
0.2973


 110.2207, 0.2449,
0.3125

 13.7171, 0.1851,
0.2905


 140.1833, 0.2498,
0.3140

 7.9242, 0.1639,
0.2807

 175.1363, 0.2541,
0.3153

 4.0465, 0.1352,
0.2653

 215.4640, 0.2579,
0.3163

 1.6996, 0.0940,
0.2392

261.5510, 0.2612,

 0.4234, 0.0000,

0.3172

0.1720

313.7815, 0.2641,
0.3180

0.0000, 0.0000,
0.0000

46.4313, 0.2239,
0.3057

46.4313, 0.2239,
0.3057

45.0547, 0.2195,
0.3024

48.0810, 0.2302,
0.3091

43.9052, 0.2168,
0.2991

50.0304, 0.2385,
0.3124

43.5500, 0.2161,
0.2980

52.3084, 0.2485,
0.3157

54.9391, 0.2602,
0.3189

57.9443, 0.2733,
0.3219

61.3439, 0.2875,
0.3247

65.1564, 0.3024,
0.3274

69.3991, 0.3179,
0.3298

74.0882, 0.3336,
0.3319

Harmonies

Analogous

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



46.4313, 0.2507, 0.3577



46.4313, 0.2239, 0.3057



46.4313, 0.2190, 0.2667

Triad

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



46.4313, 0.2239, 0.3057



46.4313, 0.3240, 0.2676



46.4313, 0.3912, 0.4125

Complementary

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



46.4313, 0.2239, 0.3057



18.5862, 0.5642, 0.3432

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.



46.4313, 0.4155, 0.3802



46.4313, 0.2239, 0.3057



46.4313, 0.3756, 0.2998

Square

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



46.4313, 0.2239, 0.3057



46.4313, 0.2731, 0.2490



46.4313, 0.4103, 0.3396



46.4313, 0.3467, 0.4240

Rectangle

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



46.4313, 0.2239, 0.3057



46.4313, 0.2280, 0.2518



46.4313, 0.4103, 0.3396



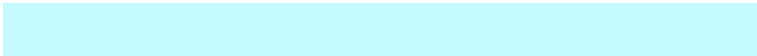
46.4313, 0.4022, 0.4034

Sweetspot

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



46.4330, 0.2239, 0.3057



86.9479, 0.2781, 0.3229



49.6420, 0.2975, 0.5565



18.2354, 0.2730, 0.3218



0.0000, 0.0000, 0.0000



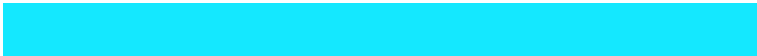
21.4041, 0.3127, 0.3290

Same Dimension

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



46.4330, 0.2239, 0.3057



65.2287, 0.2176, 0.3003



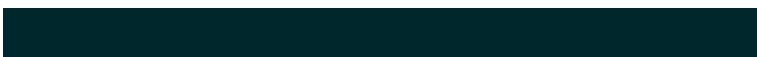
18.7381, 0.1907, 0.1772



13.8924, 0.2983, 0.3267



26.1397, 0.2162, 0.2985



1.6377, 0.2178, 0.3042

Inverse Universe

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



20.8606, 0.3394, 0.1793



27.6151, 0.3450, 0.1698



35.3250, 0.4744, 0.4305



12.6110, 0.3152, 0.3082



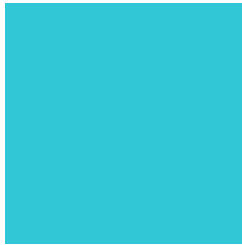
10.9837, 0.3468, 0.1684



0.6686, 0.3418, 0.1656

Previews

White Background



This preview shows how the Yxy color 46.4313, 0.2239, 0.3057 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 46.4313, 0.2239, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

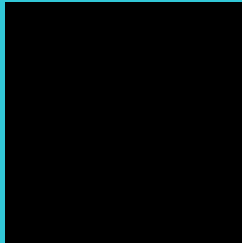
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4313, 0.2239, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 46.4313, 0.2239, 0.3057.

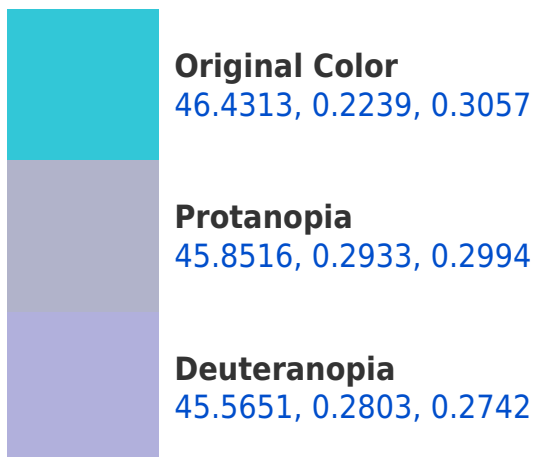


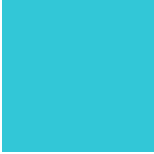
This preview shows how white text looks on a background with the Yxy color 46.4313, 0.2239, 0.3057.

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





Tritanopia

46.4313, 0.2239, 0.3057

Trichromacy



Original Color

46.4313, 0.2239, 0.3057

Protanomaly

44.4481, 0.2576, 0.2999

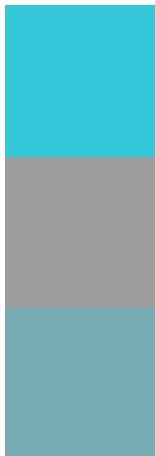
Deuteranomaly

44.1682, 0.2508, 0.2829

Tritanomaly

46.4313, 0.2239, 0.3057

Monochromacy



Original Color

46.4313, 0.2239, 0.3057

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

36.5309, 0.2651, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4313, 0.2239, 0.3057 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(50, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(50, 199, 215)  
}
```

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(50, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 199, 215) }
```

Border

The CSS property to change the border of an element to Yxy 46.4313, 0.2239, 0.3057 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(50, 199, 215) }
```

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

```
.border{ border-color:rgb(50, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(50, 199,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4313, 0.2239, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 199, 215) }
```

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

```
.background{ background-color: rgb(50, 199,  
215) }
```

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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