

Converting Colors

$Y_{xy}(44.3583, 0.2249, 0.2992)$

Have a look what the booklet for
Yxy(44.3583, 0.2249, 0.2992)
contains.

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Color

Yxy(44.4307, 0.2250, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	3DC2D6
RGB	61, 194, 214
RGB Percent	24%, 76%, 84%
CMY	0.7613, 0.2392, 0.1608
CMYK	0.72, 0.09, 0.00, 0.16
HSL	188°, 65%, 54%
HSV	188°, 72%, 84%
XYZ	33.3453, 44.4307, 70.4252
YIQ	156.5130, -85.6880, -21.9760

Conversions

Conversions Part 2

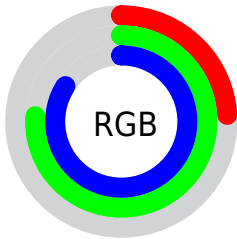
Format	Color
R _{YB}	61, 132, 214
Decimal	4047574
CIE Lab	72.52, -28.89, -20.35
CIE LCh	73, 35.337, 215.161
Yxy	44.4307, 0.2250, 0.2998
Android (android.graphics.Color)	4282237654 (0xFF3DC2D6)
YUV	156.5130, 28.3411, -83.7649
Hunter-Lab	66.6564, -27.3529, -15.9829

Details

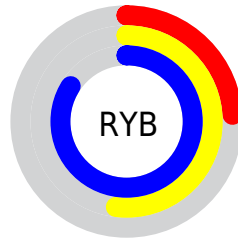
The Yxy color **44.4307, 0.2250, 0.2998** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4887, 0.5368, 0.3492**, and the grayscale version is **33.3699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8815, 0.2469, 0.3242**, and **21.2594, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **42.6544, 0.2192, 0.2952**, and if you desaturate by 10%, it is **46.5041, 0.2328, 0.3044**.

Distribution



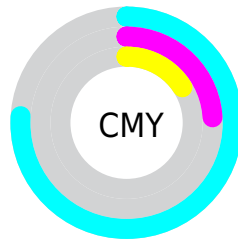
- Red (24%)
- Green (76%)
- Blue (84%)



- Red (24%)
- Yellow (52%)
- Blue (84%)



- Cyan (72%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)




- Cyan (76%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4307, 0.2250, 0.2998 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 44.4307, 0.2250, 0.2998 by changing the saturation by 10% instead.


 44.4307, 0.2250,
0.2998

 44.4307, 0.2250,
0.2998


364.4630, 0.2676,
0.3158

 31.0093, 0.2149,
0.2955


 81.8655, 0.2401,
0.3059

 20.6059, 0.2022,
0.2897


 106.6475, 0.2459,
0.3081

 12.8362, 0.1859,
0.2817


 135.9853, 0.2508,
0.3099

 7.3159, 0.1644,
0.2702

 170.2631, 0.2551,
0.3115

 3.6604, 0.1351,
0.2523

 209.8654, 0.2588,
0.3128

 1.4855, 0.0917,
0.2227

255.1765, 0.2621,

 0.2785, 0.0000,

0.3139

0.1253

306.5809, 0.2650,
0.3149

0.0000, 0.0000,
0.0000

44.4307, 0.2250,
0.2998

44.4307, 0.2250,
0.2998

42.6544, 0.2192,
0.2952

46.5041, 0.2328,
0.3044

41.1357, 0.2152,
0.2906

48.8987, 0.2424,
0.3089

40.0052, 0.2130,
0.2868

51.6413, 0.2537,
0.3133

54.7545, 0.2664,
0.3175

58.2590, 0.2803,
0.3215

■ 62.1738, 0.2950,
0.3251

■ 66.5166, 0.3103,
0.3285

■ 71.3039, 0.3258,
0.3316

■ 76.5517, 0.3414,
0.3343

Harmonies

Analogous

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



44.4307, 0.2478, 0.3485



44.4307, 0.2250, 0.2998



44.4307, 0.2236, 0.2650

Triad

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



44.4307, 0.2250, 0.2998



44.4307, 0.3318, 0.2740



44.4307, 0.3826, 0.4127

Complementary

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



44.4307, 0.2250, 0.2998



20.4887, 0.5368, 0.3492

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.



44.4307, 0.4095, 0.3843



44.4307, 0.2250, 0.2998



44.4307, 0.3798, 0.3067

Square

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



44.4307, 0.2250, 0.2998



44.4307, 0.2818, 0.2537



44.4307, 0.4091, 0.3458



44.4307, 0.3379, 0.4190

Rectangle

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



44.4307, 0.2250, 0.2998



44.4307, 0.2345, 0.2526



44.4307, 0.4091, 0.3458



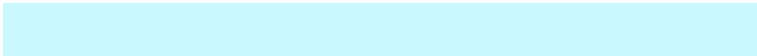
44.4307, 0.3941, 0.4051

Sweetspot

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



44.4323, 0.2250, 0.2998



86.8450, 0.2808, 0.3216



49.6332, 0.2959, 0.5367



18.2631, 0.2768, 0.3205



0.0000, 0.0000, 0.0000



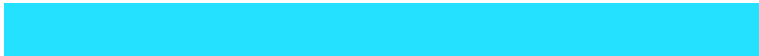
21.4041, 0.3127, 0.3290

Same Dimension

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



44.4323, 0.2250, 0.2998



62.2011, 0.2169, 0.2928



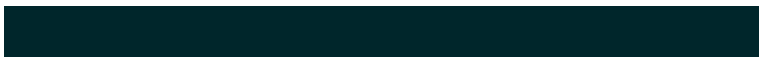
19.1688, 0.1952, 0.1807



13.8187, 0.2983, 0.3259



24.2936, 0.2132, 0.2875



1.5439, 0.2154, 0.2953

Inverse Universe

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



21.5121, 0.3439, 0.1891



28.0167, 0.3513, 0.1769



38.1674, 0.4576, 0.4330



12.6035, 0.3157, 0.3090



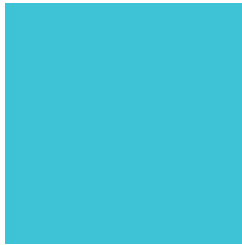
10.7973, 0.3566, 0.1738



0.6592, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 44.4307, 0.2250, 0.2998 looks on a white background.

Color Contrast Check

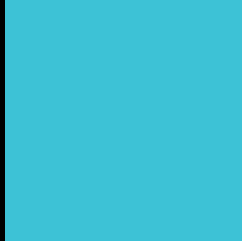
Large Text (above 18pt) WCAG AA × Fail

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 44.4307, 0.2250, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

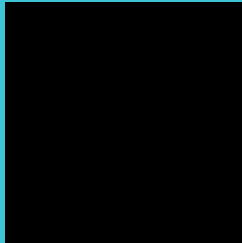
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4307, 0.2250, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 44.4307, 0.2250, 0.2998.



This preview shows how white text looks on a background with the Yxy color 44.4307, 0.2250, 0.2998.

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

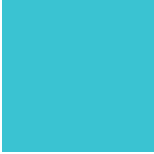
44.4307, 0.2250, 0.2998

Protanopia

43.6476, 0.2899, 0.2950

Deuteranopia

43.7723, 0.2768, 0.2708



Tritanopia

44.5829, 0.2263, 0.3068

Trichromacy



Original Color

44.4307, 0.2250, 0.2998



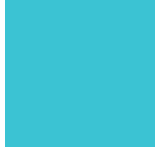
Protanomaly

42.8177, 0.2580, 0.2955



Deuteranomaly

42.9630, 0.2513, 0.2800



Tritanomaly

44.6632, 0.2262, 0.3054

Monochromacy



Original Color

44.4307, 0.2250, 0.2998



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.9887, 0.2669, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4307, 0.2250, 0.2998 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(61, 194, 214)` looks like.

```
.text, #text, p{  
    color:rgb(61, 194, 214)  
}
```

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(61, 194, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 194, 214) }
```

Border

The CSS property to change the border of an element to Yxy 44.4307, 0.2250, 0.2998 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(61, 194, 214) }
```

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

```
.border{ border-color:rgb(61, 194, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 194, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 194, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 194, 214);  
box-shadow:4px 4px 4px 4px rgb(61, 194,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4307, 0.2250, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 194, 214) }
```

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

```
.background{ background-color: rgb(61, 194,  
214) }
```

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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