

Converting Colors

$Y_{xy}(44.7070, 0.2462, 0.3318)$

Have a look what the booklet for
Yxy(44.7070, 0.2462, 0.3318)
contains.

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Color

Yxy(44.6135, 0.2463, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	5BC2C0
RGB	91, 194, 192
RGB Percent	36%, 76%, 75%
CMY	0.6432, 0.2392, 0.2471
CMYK	0.53, 0.00, 0.01, 0.24
HSL	179°, 46%, 56%
HSV	179°, 53%, 76%
XYZ	33.1173, 44.6135, 56.7283
YIQ	162.9750, -60.7460, -22.4580

Conversions

Conversions Part 2

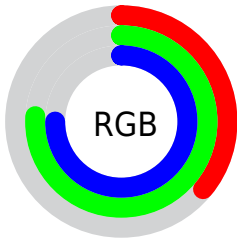
Format	Color
R_{YB}	91, 143, 194
Decimal	6013632
CIE _{Lab}	72.64, -30.22, -8.11
CIE _{LCh}	73, 31.287, 195.024
Yxy	44.6135, 0.2463, 0.3318
Android (android.graphics.Color)	4284203712 (0xFF5BC2C0)
YUV	162.9750, 14.3093, -63.1221
Hunter-Lab	66.7933, -28.3851, -3.6003

Details

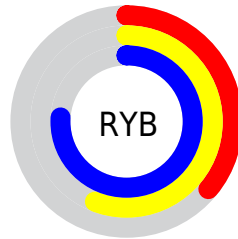
The Yxy color **44.6135, 0.2463, 0.3318** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.7381, 0.4630, 0.3268**, and the grayscale version is **36.5635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1612, 0.2581, 0.3322**, and **20.7488, 0.2278, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **43.7370, 0.2387, 0.3324**, and if you desaturate by 10%, it is **45.7483, 0.2558, 0.3312**.

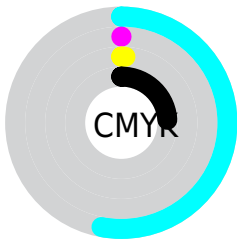
Distribution



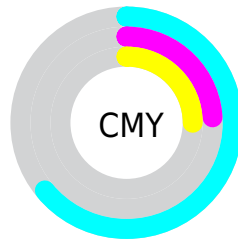
- Red (36%)
- Green (76%)
- Blue (75%)



- Red (36%)
- Yellow (56%)
- Blue (76%)



- Cyan (53%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (64%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6135, 0.2463, 0.3318 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 44.6135, 0.2463, 0.3318 by changing the saturation by 10% instead.


 44.6135, 0.2463,
0.3318


 44.6135, 0.2463,
0.3318


365.2060, 0.2791,
0.3311

 31.1531, 0.2383,
0.3317


 82.1401, 0.2581,
0.3317


 20.7155, 0.2281,
0.3315


 106.9751, 0.2626,
0.3316

 12.9162, 0.2147,
0.3310


 136.3705, 0.2664,
0.3316

 7.3708, 0.1965,
0.3298

 170.7106, 0.2696,
0.3315

 3.6951, 0.1705,
0.3270

210.3797, 0.2725,
0.3314

 1.5045, 0.1264,
0.3214

255.7624, 0.2750,

 0.2919, 0.0000,

0.3313

0.2481

307.2431, 0.2771,
0.3312

0.0000, 0.0000,
0.0000

44.6135, 0.2463,
0.3318

44.6135, 0.2463,
0.3318

43.7370, 0.2387,
0.3324

45.7483, 0.2558,
0.3312

43.0935, 0.2330,
0.3330

47.1542, 0.2669,
0.3306

42.6617, 0.2292,
0.3337

48.8493, 0.2795,
0.3301

42.4138, 0.2271,
0.3343

50.8484, 0.2933,
0.3296

42.3139, 0.2263,
0.3347

53.1657, 0.3080,
0.3291

■ 55.8142, 0.3233,
0.3287

■ 58.8063, 0.3390,
0.3284

■ 62.1539, 0.3548,
0.3280

■ 63.8058, 0.3617,
0.3277

Harmonies

Analogous

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



44.6135, 0.2783, 0.3749



44.6135, 0.2463, 0.3318



44.6135, 0.2318, 0.2917

Triad

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



44.6135, 0.2463, 0.3318



44.6135, 0.2994, 0.2661



44.6135, 0.3932, 0.3885

Complementary

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



44.6135, 0.2463, 0.3318



19.7381, 0.4630, 0.3268

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.



44.6135, 0.4010, 0.3564



44.6135, 0.2463, 0.3318



44.6135, 0.3447, 0.2886

Square

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



44.6135, 0.2463, 0.3318



44.6135, 0.2607, 0.2575



44.6135, 0.3829, 0.3206



44.6135, 0.3632, 0.4076

Rectangle

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



44.6135, 0.2463, 0.3318



44.6135, 0.2331, 0.2725



44.6135, 0.3829, 0.3206



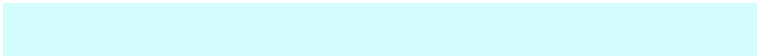
44.6135, 0.3986, 0.3787

Sweetspot

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



44.6152, 0.2463, 0.3318



90.9161, 0.2888, 0.3297



41.7433, 0.3070, 0.4959



19.7410, 0.2859, 0.3298



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.



44.6152, 0.2463, 0.3318



78.9793, 0.2375, 0.3325



26.6528, 0.2297, 0.2517



11.4249, 0.2987, 0.3294



27.8191, 0.2263, 0.3346



1.2031, 0.2259, 0.3332

Inverse Universe

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



19.7381, 0.4630, 0.3268



29.0506, 0.5182, 0.3268



30.7067, 0.4271, 0.3930



10.0810, 0.3286, 0.3286



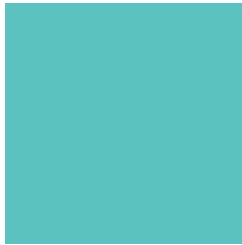
7.5476, 0.6376, 0.3286



0.3272, 0.6286, 0.3236

Previews

White Background



This preview shows how the Yxy color 44.6135, 0.2463, 0.3318 looks on a white background.

Color Contrast Check

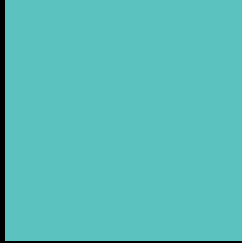
Large Text (above 18pt) WCAG AA × Fail

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 44.6135, 0.2463, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

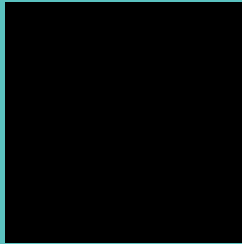
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

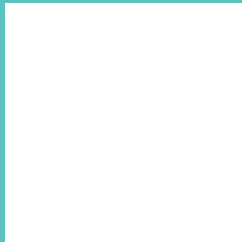
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6135, 0.2463, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 44.6135, 0.2463, 0.3318.

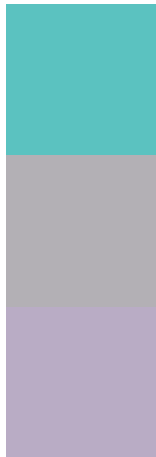


This preview shows how white text looks on a background with the Yxy color 44.6135, 0.2463, 0.3318.

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

44.6135, 0.2463, 0.3318

Protanopia

43.9706, 0.3113, 0.3224

Deuteranopia

43.8506, 0.3038, 0.2971



Tritanopia

44.6911, 0.2402, 0.3073

Trichromacy



Original Color

44.6135, 0.2463, 0.3318

Protanomaly

43.5728, 0.2823, 0.3261

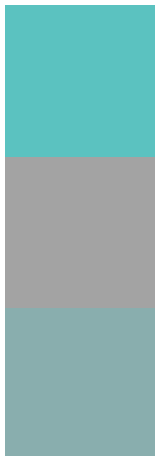
Deuteranomaly

43.1620, 0.2781, 0.3083

Tritanomaly

44.7839, 0.2421, 0.3157

Monochromacy



Original Color

44.6135, 0.2463, 0.3318

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.6465, 0.2816, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6135, 0.2463, 0.3318 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(91, 194, 192)` looks like.

```
.text, #text, p{  
    color:rgb(91, 194, 192)  
}
```

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(91, 194, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 194, 192) }
```

Border

The CSS property to change the border of an element to Yxy 44.6135, 0.2463, 0.3318 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(91, 194, 192) }
```

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

```
.border{ border-color:rgb(91, 194, 192) }
```

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

Here you see how a box with a 4 pixel rgb(91, 194, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 194, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 194, 192);  
box-shadow:4px 4px 4px 4px rgb(91, 194,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6135, 0.2463, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 194, 192) }
```

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

```
.background{ background-color: rgb(91, 194,  
192) }
```

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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