

Converting Colors

$Yxy(55.4686, 0.2303, 0.3075)$

Have a look what the booklet for
Yxy(55.4686, 0.2303, 0.3075)
contains.

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Color

Yxy(55.4686, 0.2303, 0.3075)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4FD6E6 |
| RGB | 79, 214, 230 |
| RGB Percent | 31%, 84%, 90% |
| CMY | 0.6908, 0.1607, 0.0981 |
| CMYK | 0.66, 0.07, 0.00, 0.10 |
| HSL | 186°, 75%, 61% |
| HSV | 186°, 66%, 90% |
| XYZ | 41.5428, 55.4686, 83.3743 |
| YIQ | 175.4590, -85.5960, -23.6440 |

Conversions

Conversions Part 2

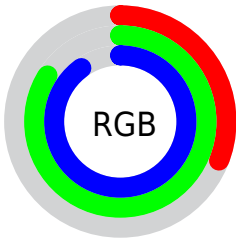
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 79, 150, 230 |
| Decimal | 5232358 |
| CIE _{Lab} | 79.31, -31.37, -18.64 |
| CIE _{LCh} | 79, 36.492, 210.726 |
| Yxy | 55.4686, 0.2303, 0.3075 |
| Android (android.graphics.Color) | 4283422438 (0xFF4FD6E6) |
| YUV | 175.4590, 26.8887, -84.5945 |
| Hunter-Lab | 74.4772, -30.7693, -14.2387 |

Details

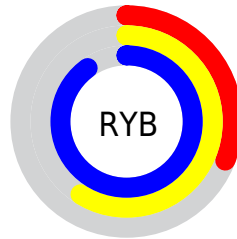
The Yxy color **55.4686, 0.2303, 0.3075** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.5358, 0.5155, 0.3454**, and the grayscale version is **42.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **27.8523, 0.2172, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **53.4300, 0.2237, 0.3038**, and if you desaturate by 10%, it is **57.8705, 0.2388, 0.3112**.

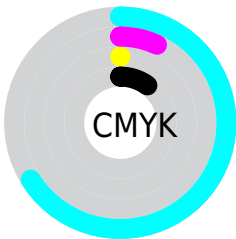
Distribution



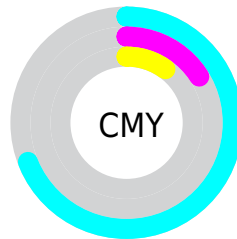
- Red (31%)
- Green (84%)
- Blue (90%)



- Red (31%)
- Yellow (59%)
- Blue (90%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (69%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4686, 0.2303, 0.3075 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 55.4686, 0.2303, 0.3075 by changing the saturation by 10% instead.

 55.4686, 0.2303,
0.3075


 55.4686, 0.2303,
0.3075

407.6858, 0.2690,
0.3191

 39.7770, 0.2214,
0.3044

 98.2272, 0.2438,
0.3119


 27.3647, 0.2105,
0.3004


 126.0630, 0.2490,
0.3135

 17.8473, 0.1966,
0.2949


 158.7157, 0.2535,
0.3148

 10.8404, 0.1787,
0.2871

 196.5696, 0.2574,
0.3159

 5.9596, 0.1548,
0.2754

240.0092, 0.2608,
0.3169

 2.8206, 0.1219,
0.2563

289.4188, 0.2638,

 1.0388, 0.0471,

0.3177

0.2288

345.1829, 0.2665,
0.3185

■ 0.0000, 0.0000,
0.0000

■ 55.4686, 0.2303,
0.3075

■ 55.4686, 0.2303,
0.3075

■ 53.4300, 0.2237,
0.3038

■ 57.8705, 0.2388,
0.3112

■ 51.7113, 0.2190,
0.3001

■ 60.6612, 0.2492,
0.3148

■ 50.2691, 0.2162,
0.2965

■ 63.8710, 0.2611,
0.3182

■ 49.7040, 0.2153,
0.2949

■ 67.5253, 0.2744,
0.3215

■ 71.6474, 0.2888,
0.3246

■ 76.2591, 0.3039,
0.3275

■ 81.3807, 0.3194,
0.3301

■ 85.5143, 0.3297,
0.3325

■ 86.9038, 0.3294,
0.3349

Harmonies

Analogous

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



55.4686, 0.2552, 0.3550



55.4686, 0.2303, 0.3075



55.4686, 0.2258, 0.2714

Triad

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



55.4686, 0.2303, 0.3075



55.4686, 0.3238, 0.2723



55.4686, 0.3851, 0.4065

Complementary

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



55.4686, 0.2303, 0.3075



25.5358, 0.5155, 0.3454

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.



55.4686, 0.4074, 0.3773



55.4686, 0.2303, 0.3075



55.4686, 0.3710, 0.3024

Square

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



55.4686, 0.2303, 0.3075



55.4686, 0.2767, 0.2548



55.4686, 0.4026, 0.3397



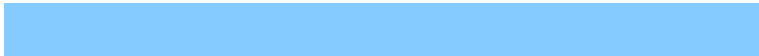
55.4686, 0.3440, 0.4160

Rectangle

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



55.4686, 0.2303, 0.3075



55.4686, 0.2344, 0.2575



55.4686, 0.4026, 0.3397



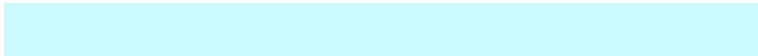
55.4686, 0.3951, 0.3984

Sweetspot

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



55.4707, 0.2303, 0.3075



88.1863, 0.2823, 0.3233



59.0530, 0.2972, 0.5236



18.5633, 0.2783, 0.3224



0.0000, 0.0000, 0.0000



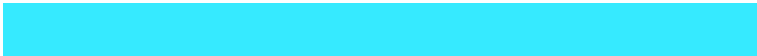
21.4041, 0.3127, 0.3290

Same Dimension

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



55.4707, 0.2303, 0.3075



66.6715, 0.2218, 0.3024



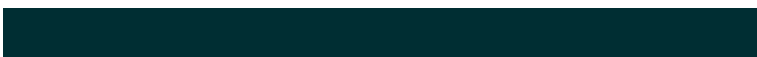
25.9214, 0.2041, 0.1977



16.0624, 0.2982, 0.3264



28.2493, 0.2154, 0.2955



2.1627, 0.2169, 0.3008

Inverse Universe

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



27.2471, 0.3368, 0.1930



29.7804, 0.3424, 0.1778



45.9589, 0.4476, 0.4256



14.5876, 0.3154, 0.3082



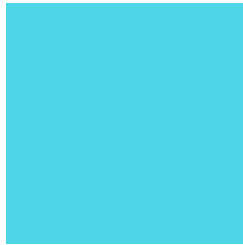
12.0495, 0.3494, 0.1698



0.8980, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 55.4686, 0.2303, 0.3075 looks on a white background.

Color Contrast Check

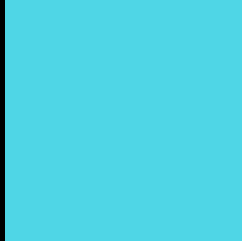
Large Text (above 18pt) WCAG AA × Fail

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 55.4686, 0.2303, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

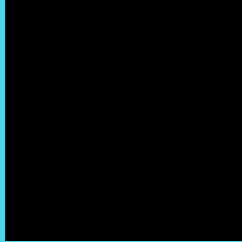
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4686, 0.2303, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 55.4686, 0.2303, 0.3075.

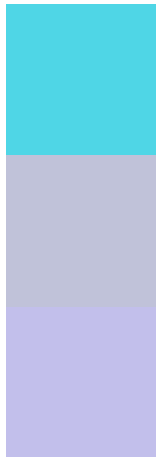


This preview shows how white text looks on a background with the Yxy color 55.4686, 0.2303, 0.3075.

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

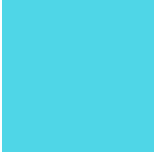
55.4686, 0.2303, 0.3075

Protanopia

54.7998, 0.2947, 0.3015

Deuteranopia

54.7291, 0.2839, 0.2781



Tritanopia

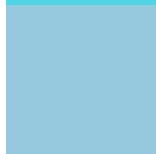
55.5249, 0.2299, 0.3062

Trichromacy



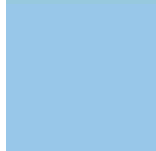
Original Color

55.4686, 0.2303, 0.3075



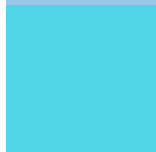
Protanomaly

53.6265, 0.2639, 0.3022



Deuteranomaly

53.4054, 0.2580, 0.2866



Tritanomaly

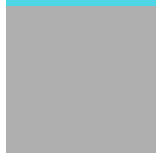
55.5249, 0.2299, 0.3062

Monochromacy



Original Color

55.4686, 0.2303, 0.3075



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.9108, 0.2714, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4686, 0.2303, 0.3075 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(79, 214, 230)` looks like.

```
.text, #text, p{  
  color:rgb(79, 214, 230)  
}
```

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(79, 214, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 214, 230) }
```

Border

The CSS property to change the border of an element to Yxy 55.4686, 0.2303, 0.3075 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(79, 214, 230) }
```

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

```
.border{ border-color:rgb(79, 214, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 214, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 214, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 214, 230);  
box-shadow:4px 4px 4px 4px rgb(79, 214,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4686, 0.2303, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 214, 230) }
```

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

```
.background{ background-color: rgb(79, 214,  
230) }
```

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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