

Converting Colors

$Y_{xy}(60.3030, 0.2503, 0.3684)$

Have a look what the booklet for
Yxy(60.3030, 0.2503, 0.3684)
contains.

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Color

Yxy(60.3087, 0.2503, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	54E2C5
RGB	84, 226, 197
RGB Percent	33%, 89%, 77%
CMY	0.6704, 0.1137, 0.2276
CMYK	0.63, 0.00, 0.13, 0.11
HSL	168°, 71%, 61%
HSV	168°, 63%, 89%
XYZ	40.9308, 60.3087, 62.2874
YIQ	180.2360, -75.3230, -39.1230

Conversions

Conversions Part 2

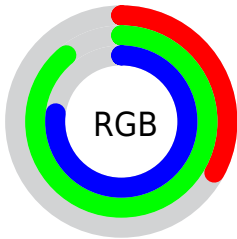
Format	Color
RYB	84, 163, 226
Decimal	5563077
CIELab	82.01, -44.86, 2.95
CIELCh	82, 44.957, 176.239
Yxy	60.3087, 0.2503, 0.3688
Android (android.graphics.Color)	4283753157 (0xFF54E2C5)
YUV	180.2360, 8.2647, -84.3990
Hunter-Lab	77.6587, -41.8225, 6.8066

Details

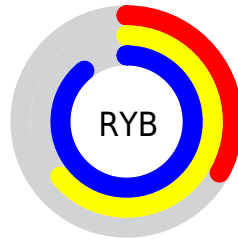
The Yxy color **60.3087, 0.2503, 0.3688** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **23.7123, 0.4721, 0.2983**, and the grayscale version is **45.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8788, 0.2553, 0.3299**, and **30.7326, 0.2388, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **59.2217, 0.2459, 0.3763**, and if you desaturate by 10%, it is **61.7433, 0.2566, 0.3615**.

Distribution



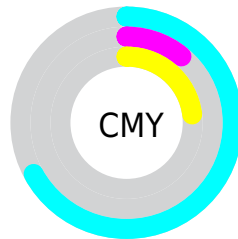
- Red (33%)
- Green (89%)
- Blue (77%)



- Red (33%)
- Yellow (64%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)



- Cyan (67%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3087, 0.2503, 0.3688 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 60.3087, 0.2503, 0.3688 by changing the saturation by 10% instead.


 60.3087, 0.2503,
0.3688


 60.3087, 0.2503,
0.3688

425.7347, 0.2801,
0.3496

 43.6675, 0.2433,
0.3734


 105.2773, 0.2608,
0.3620


 30.4092, 0.2345,
0.3792


 134.3736, 0.2648,
0.3594

 20.1494, 0.2233,
0.3867


 168.3903, 0.2683,
0.3571

 12.5037, 0.2084,
0.3967

 207.7119, 0.2713,
0.3552

 7.0877, 0.1877,
0.4110

252.7227, 0.2739,
0.3535

 3.5170, 0.1574,
0.4325

303.8072, 0.2762,

 1.4072, 0.0591,

0.3521

0.4949

361.3497, 0.2783,
0.3507

■ 0.2220, 0.0000,
0.8619

■ 0.0000, 0.0000,
0.0000

■ 60.3087, 0.2503,
0.3688

■ 60.3087, 0.2503,
0.3688

■ 59.2217, 0.2459,
0.3763

■ 61.7433, 0.2566,
0.3615

■ 58.4414, 0.2435,
0.3838


■ 63.5477, 0.2647,
0.3544


■ 57.9295, 0.2430,
0.3913


■ 65.7503, 0.2742,
0.3477


■ 57.6802, 0.2435,
0.3966


■ 68.3749, 0.2850,
0.3415

 71.4433, 0.2968,
0.3357

 74.9759, 0.3092,
0.3304

 78.9918, 0.3219,
0.3256

 81.5915, 0.3278,
0.3212

 81.8606, 0.3247,
0.3167

Harmonies

Analogous

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



60.3087, 0.3007, 0.4178



60.3087, 0.2503, 0.3688



60.3087, 0.2182, 0.3102

Triad

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



60.3087, 0.2503, 0.3688



60.3087, 0.2623, 0.2404



60.3087, 0.4272, 0.3783

Complementary

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



60.3087, 0.2503, 0.3688



23.7123, 0.4721, 0.2983

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.



60.3087, 0.4168, 0.3336



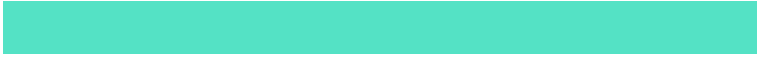
60.3087, 0.2503, 0.3688



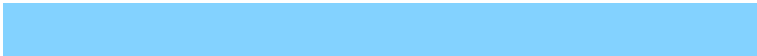
60.3087, 0.3165, 0.2582

Square

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



60.3087, 0.2503, 0.3688



60.3087, 0.2250, 0.2417



60.3087, 0.3747, 0.2913



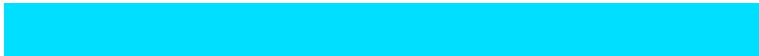
60.3087, 0.4040, 0.4163

Rectangle

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



60.3087, 0.2503, 0.3688



60.3087, 0.2099, 0.2777



60.3087, 0.3747, 0.2913



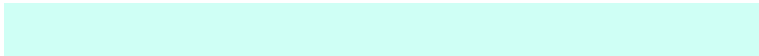
60.3087, 0.4277, 0.3636

Sweetspot

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



60.3111, 0.2503, 0.3688



91.3188, 0.2893, 0.3393



58.6668, 0.3191, 0.5222



19.3075, 0.2860, 0.3410



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.



60.3111, 0.2503, 0.3688



77.5535, 0.2451, 0.3783



42.4051, 0.2243, 0.2725



15.5218, 0.3009, 0.3338



32.9234, 0.2432, 0.3955



2.2944, 0.2400, 0.3840

Inverse Universe

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



23.7123, 0.4721, 0.2983



25.8753, 0.5244, 0.2982



31.2938, 0.4797, 0.3733



13.7462, 0.3260, 0.3242



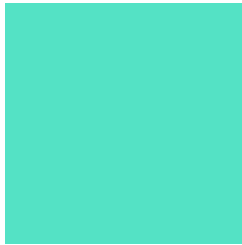
9.3516, 0.6055, 0.3109



0.6611, 0.5630, 0.2875

Previews

White Background



This preview shows how the Yxy color 60.3087, 0.2503, 0.3688 looks on a white background.

Color Contrast Check

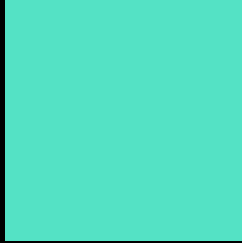
Large Text (above 18pt) WCAG AA × Fail

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 60.3087, 0.2503, 0.3688 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

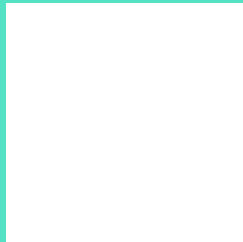
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.3087, 0.2503, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 60.3087, 0.2503, 0.3688.

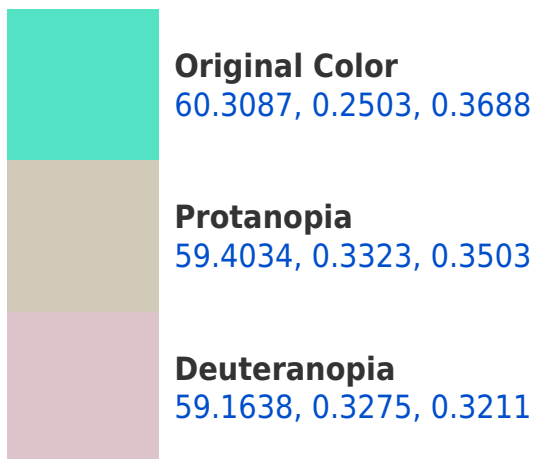


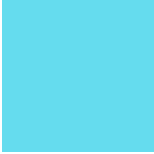
This preview shows how white text looks on a background with the Yxy color 60.3087, 0.2503, 0.3688.

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

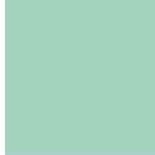
60.1261, 0.2360, 0.3059

Trichromacy



Original Color

60.3087, 0.2503, 0.3688



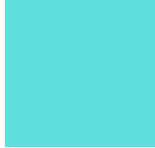
Protanomaly

58.1552, 0.2936, 0.3572



Deuteranomaly

57.5006, 0.2905, 0.3365



Tritanomaly

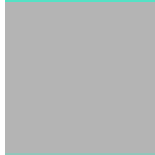
60.0032, 0.2410, 0.3275

Monochromacy



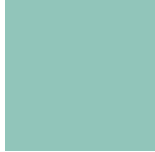
Original Color

60.3087, 0.2503, 0.3688



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.4974, 0.2815, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3087, 0.2503, 0.3688 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(84, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(84, 226, 197)  
}
```

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(84, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 226, 197) }
```

Border

The CSS property to change the border of an element to Yxy 60.3087, 0.2503, 0.3688 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(84, 226, 197) }
```

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

```
.border{ border-color:rgb(84, 226, 197) }
```

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

Here you see how a box with a 4 pixel rgb(84, 226, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 226, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 226, 197);  
box-shadow:4px 4px 4px 4px rgb(84, 226,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3087, 0.2503, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 226, 197) }
```

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

```
.background{ background-color: rgb(84, 226,  
197) }
```

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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