

Converting Colors

$Yxy(60.3884, 0.2586, 0.3287)$

Have a look what the booklet for
Yxy(60.3884, 0.2586, 0.3287)
contains.

Yxy(60.1913, 0.2590, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.1913, 0.2590, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	85DADA
RGB	133, 218, 218
RGB Percent	52%, 85%, 85%
CMY	0.4780, 0.1452, 0.1450
CMYK	0.39, 0.00, 0.00, 0.15
HSL	180°, 53%, 69%
HSV	180°, 39%, 85%
XYZ	47.4135, 60.1913, 75.4588
YIQ	192.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

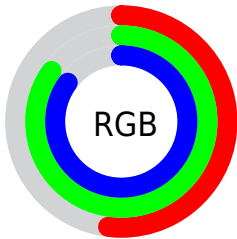
Format	Color
RYB	133, 176, 218
Decimal	8772314
CIELab	81.94, -25.62, -8.12
CIElCh	82, 26.877, 197.592
Yxy	60.1913, 0.2590, 0.3288
Android (android.graphics.Color)	4286962394 (0xFF85DADA)
YUV	192.5850, 12.5296, -52.2560
Hunter-Lab	77.5831, -26.6833, -3.3585

Details

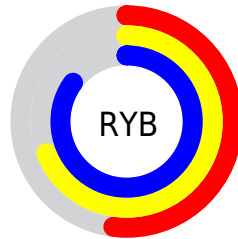
The Yxy color **60.1913, 0.2590, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4189, 0.4096, 0.3293**, and the grayscale version is **53.0356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **30.4165, 0.2461, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **58.5936, 0.2487, 0.3288**, and if you desaturate by 10%, it is **62.1621, 0.2710, 0.3288**.

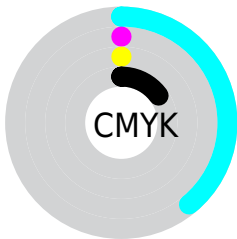
Distribution



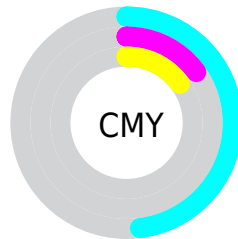
- Red (52%)
- Green (85%)
- Blue (85%)



- Red (52%)
- Yellow (69%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)





- Cyan (48%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1913, 0.2590, 0.3288 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 60.1913, 0.2590, 0.3288 by changing the saturation by 10% instead.


 60.1913, 0.2590,
0.3288


 60.1913, 0.2590,
0.3288


425.3025, 0.2843,
0.3294


 43.5728, 0.2531,
0.3285


 105.1071, 0.2679,
0.3291

 30.3348, 0.2458,
0.3281


 134.1733, 0.2713,
0.3292

 20.0929, 0.2365,
0.3275


 168.1575, 0.2742,
0.3293

 12.4626, 0.2242,
0.3264

207.4441, 0.2768,
0.3293

 7.0595, 0.2074,
0.3245

252.4175, 0.2790,
0.3293

 3.4994, 0.1829,
0.3208

303.4621, 0.2810,

 1.3977, 0.1416,

0.3294

0.3135

360.9623, 0.2827,
0.3294

0.2150, 0.0000,
0.2114

0.0000, 0.0000,
0.0000

60.1913, 0.2590,
0.3288

60.1913, 0.2590,
0.3288

58.5936, 0.2487,
0.3288

62.1621, 0.2710,
0.3288

57.3389, 0.2402,
0.3287

64.5200, 0.2844,
0.3289

56.4041, 0.2336,
0.3287

67.2865, 0.2990,
0.3290

55.7602, 0.2289,
0.3287

70.4799, 0.3144,
0.3290

■ 55.3729, 0.2261,
0.3286

■ 74.1171, 0.3303,
0.3291

■ 55.1881, 0.2247,
0.3286

■ 76.4826, 0.3398,
0.3291

■ 55.1729, 0.2246,
0.3286

■ 76.4867, 0.3398,
0.3291

■ 76.4908, 0.3398,
0.3291

■ 76.4949, 0.3398,
0.3291

Harmonies

Analogous

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



60.1913, 0.2835, 0.3617



60.1913, 0.2590, 0.3288



60.1913, 0.2485, 0.2983

Triad

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



60.1913, 0.2590, 0.3288



60.1913, 0.3056, 0.2802



60.1913, 0.3742, 0.3779

Complementary

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



60.1913, 0.2590, 0.3288



33.4189, 0.4096, 0.3293

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.



60.1913, 0.3815, 0.3538



60.1913, 0.2590, 0.3288



60.1913, 0.3407, 0.2991

Square

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



60.1913, 0.2590, 0.3288



60.1913, 0.2742, 0.2725



60.1913, 0.3691, 0.3254



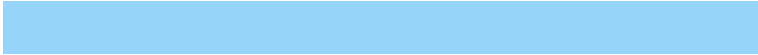
60.1913, 0.3501, 0.3904

Rectangle

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



60.1913, 0.2590, 0.3288



60.1913, 0.2504, 0.2836



60.1913, 0.3691, 0.3254



60.1913, 0.3787, 0.3708

Sweetspot

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



60.1937, 0.2590, 0.3288



94.6442, 0.2943, 0.3289



56.8435, 0.3072, 0.4476



20.1445, 0.2923, 0.3289



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.



60.1937, 0.2590, 0.3288



83.8756, 0.2501, 0.3288



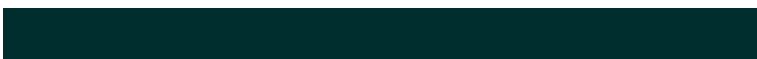
40.9386, 0.2503, 0.2712



14.8287, 0.2982, 0.3290



33.0492, 0.2246, 0.3286



2.1414, 0.2246, 0.3287

Inverse Universe

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



36.7750, 0.3172, 0.2334



45.8470, 0.3181, 0.2146



47.4846, 0.3890, 0.3801



13.2748, 0.3138, 0.3060



11.9601, 0.3210, 0.1542



0.7749, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 60.1913, 0.2590, 0.3288 looks on a white background.

Color Contrast Check

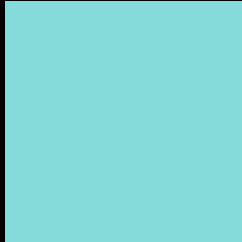
Large Text (above 18pt) WCAG AA × Fail

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 60.1913, 0.2590, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

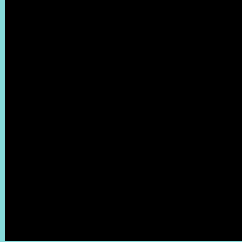
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1913, 0.2590, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 60.1913, 0.2590, 0.3288.

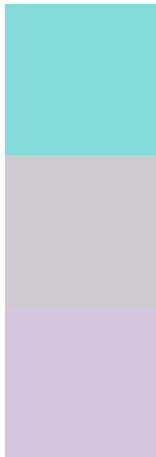


This preview shows how white text looks on a background with the Yxy color 60.1913, 0.2590, 0.3288.

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

60.1913, 0.2590, 0.3288

Protanopia

59.7743, 0.3107, 0.3220

Deuteranopia

59.3526, 0.3071, 0.3008



Tritanopia

60.3133, 0.2529, 0.3077

Trichromacy



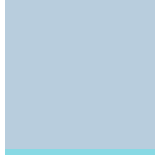
Original Color

60.1913, 0.2590, 0.3288



Protanomaly

59.4489, 0.2891, 0.3241



Deuteranomaly

59.0734, 0.2866, 0.3099



Tritanomaly

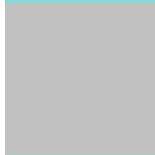
60.4614, 0.2552, 0.3150

Monochromacy



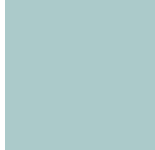
Original Color

60.1913, 0.2590, 0.3288



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.1633, 0.2897, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1913, 0.2590, 0.3288 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(133, 218, 218)` looks like.

```
.text, #text, p{  
    color:rgb(133, 218, 218)  
}
```

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(133, 218, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 218, 218) }
```

Border

The CSS property to change the border of an element to Yxy 60.1913, 0.2590, 0.3288 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(133, 218, 218) }
```

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

```
.border{ border-color:rgb(133, 218, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 218, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 218, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 218, 218); box-shadow:4px 4px 4px 4px rgb(133, 218, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1913, 0.2590, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 218, 218) }
```

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

```
.background{ background-color: rgb(133,  
218, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor