

Converting Colors

$Y_{xy}(50.8109, 0.2598, 0.3038)$

Have a look what the booklet for
Yxy(50.8109, 0.2598, 0.3038)
contains.

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Color

Yxy(50.9734, 0.2596, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	8CC6D9
RGB	140, 198, 217
RGB Percent	55%, 78%, 85%
CMY	0.4510, 0.2235, 0.1491
CMYK	0.35, 0.09, 0.00, 0.15
HSL	195°, 50%, 70%
HSV	195°, 35%, 85%
XYZ	43.5286, 50.9734, 73.1737
YIQ	182.8240, -40.6670, -6.3870

Conversions

Conversions Part 2

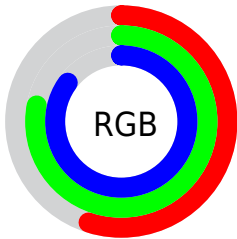
Format	Color
RYB	140, 173, 217
Decimal	9225945
CIELab	76.66, -14.01, -15.42
CIELCh	77, 20.832, 227.753
Yxy	50.9734, 0.2596, 0.3040
Android (android.graphics.Color)	4287416025 (0xFF8CC6D9)
YUV	182.8240, 16.8488, -37.5566
Hunter-Lab	71.3957, -16.1143, -10.7896

Details

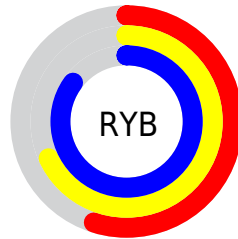
The Yxy color **50.9734, 0.2596, 0.3040** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4200, 0.3891, 0.3524**, and the grayscale version is **47.1736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **24.5336, 0.2458, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **46.8722, 0.2462, 0.2957**, and if you desaturate by 10%, it is **55.5364, 0.2740, 0.3118**.

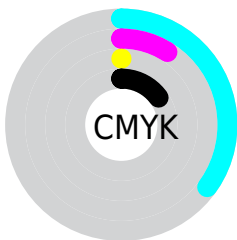
Distribution



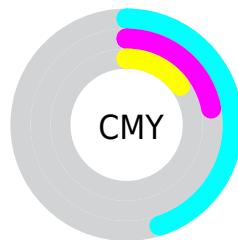
- Red (55%)
- Green (78%)
- Blue (85%)



- Red (55%)
- Yellow (68%)
- Blue (85%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9734, 0.2596, 0.3040 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 50.9734, 0.2596, 0.3040 by changing the saturation by 10% instead.

■ 50.9734, 0.2596,
0.3040

■ 50.9734, 0.2596,
0.3040

■ 390.4604, 0.2853,
0.3167

■ 36.1874, 0.2535,
0.3008

■ 91.6155, 0.2687,
0.3087

■ 24.5790, 0.2458,
0.2966

■ 118.2403, 0.2722,
0.3104

■ 15.7637, 0.2359,
0.2911

■ 149.5803, 0.2752,
0.3119

■ 9.3571, 0.2225,
0.2834

■ 186.0198, 0.2777,
0.3131

■ 4.9748, 0.2038,
0.2720

■ 227.9431, 0.2800,
0.3142

■ 2.2325, 0.1760,
0.2535

■ 275.7348, 0.2819,

■ 0.7376, 0.1089,

0.3151

0.2236

329.7791, 0.2837,
0.3160

0.0000, 0.0000,
0.0000

50.9734, 0.2596,
0.3040

50.9734, 0.2596,
0.3040

46.8722, 0.2462,
0.2957

55.5364, 0.2740,
0.3118

43.2041, 0.2341,
0.2870

60.5763, 0.2890,
0.3190

39.9458, 0.2236,
0.2779

66.1145, 0.3043,
0.3256

37.0691, 0.2149,
0.2687

72.1696, 0.3196,
0.3316

34.5414, 0.2083,
0.2595

78.7586, 0.3348,
0.3370

■ 32.3226, 0.2035,
0.2504

■ 82.9068, 0.3388,
0.3422

■ 31.3905, 0.2018,
0.2463

■ 85.9290, 0.3380,
0.3474

■ 89.0431, 0.3372,
0.3526

■ 92.2501, 0.3364,
0.3577

Harmonies

Analogous

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



50.9734, 0.2684, 0.3290



50.9734, 0.2596, 0.3040



50.9734, 0.2642, 0.2874

Triad

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



50.9734, 0.2596, 0.3040



50.9734, 0.3359, 0.3044



50.9734, 0.3435, 0.3792

Complementary

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



50.9734, 0.2596, 0.3040



41.4200, 0.3891, 0.3524

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.



50.9734, 0.3631, 0.3696



50.9734, 0.2596, 0.3040



50.9734, 0.3588, 0.3264

Square

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



50.9734, 0.2596, 0.3040



50.9734, 0.3072, 0.2885



50.9734, 0.3689, 0.3500



50.9734, 0.3162, 0.3743

Rectangle

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



50.9734, 0.2596, 0.3040



50.9734, 0.2743, 0.2826



50.9734, 0.3689, 0.3500



50.9734, 0.3512, 0.3774

Sweetspot

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



50.9754, 0.2596, 0.3040



90.7331, 0.2957, 0.3220



57.6546, 0.2970, 0.4098



19.1896, 0.2936, 0.3211



0.0000, 0.0000, 0.0000



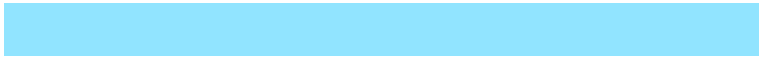
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9754, 0.2596, 0.3040



68.7523, 0.2489, 0.2975



35.9029, 0.2525, 0.2518



14.2579, 0.2982, 0.3231



19.1807, 0.2021, 0.2476



1.3747, 0.2062, 0.2625

Inverse Universe

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



37.5770, 0.3348, 0.2611



47.2188, 0.3413, 0.2463



56.3221, 0.3735, 0.3956



13.2172, 0.3175, 0.3115



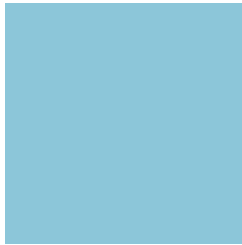
10.5601, 0.3946, 0.1947



0.6975, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 50.9734, 0.2596, 0.3040 looks on a white background.

Color Contrast Check

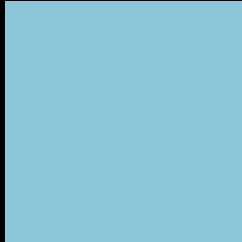
Large Text (above 18pt) WCAG AA × Fail

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 50.9734, 0.2596, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

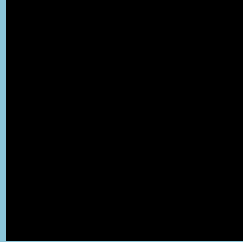
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

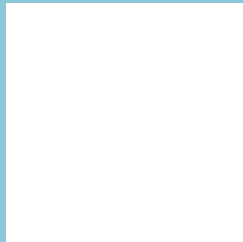
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9734, 0.2596, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 50.9734, 0.2596, 0.3040.



This preview shows how white text looks on a background with the Yxy color 50.9734, 0.2596, 0.3040.

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

50.9734, 0.2596, 0.3040

Protanopia

50.5081, 0.2940, 0.3006

Deuteranopia

50.6548, 0.2923, 0.2858



Tritanopia

50.7322, 0.2607, 0.3077

Trichromacy



Original Color

50.9734, 0.2596, 0.3040

Protanomaly

50.5007, 0.2802, 0.3011

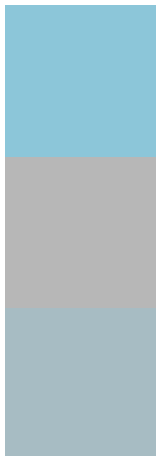
Deuteranomaly

50.3939, 0.2790, 0.2916

Tritanomaly

50.7834, 0.2601, 0.3065

Monochromacy



Original Color

50.9734, 0.2596, 0.3040

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1221, 0.2908, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9734, 0.2596, 0.3040 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(140, 198, 217)` looks like.

```
.text, #text, p{  
    color:rgb(140, 198, 217)  
}
```

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(140, 198, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 198, 217) }
```

Border

The CSS property to change the border of an element to Yxy 50.9734, 0.2596, 0.3040 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(140, 198, 217) }
```

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

```
.border{ border-color:rgb(140, 198, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 198, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 198, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 198, 217);  
box-shadow:4px 4px 4px 4px rgb(140, 198,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9734, 0.2596, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 198, 217) }
```

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

```
.background{ background-color: rgb(140,  
198, 217) }
```

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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