

Converting Colors

$Y_{xy}(47.4136, 0.2613, 0.3058)$

Have a look what the booklet for
Yxy(47.4136, 0.2613, 0.3058)
contains.

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Color

Yxy(47.6211, 0.2613, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	89C0D1
RGB	137, 192, 209
RGB Percent	54%, 75%, 82%
CMY	0.4627, 0.2471, 0.1803
CMYK	0.34, 0.08, 0.00, 0.18
HSL	194°, 44%, 68%
HSV	194°, 34%, 82%
XYZ	40.6780, 47.6211, 67.3763
YIQ	177.4930, -38.2370, -6.3730

Conversions

Conversions Part 2

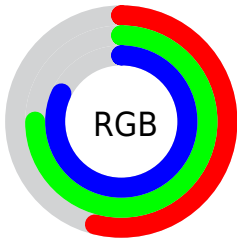
Format	Color
RYB	137, 168, 209
Decimal	9027793
CIELab	74.59, -13.65, -14.25
CIELCh	75, 19.735, 226.219
Yxy	47.6211, 0.2613, 0.3059
Android (android.graphics.Color)	4287217873 (0xFF89C0D1)
YUV	177.4930, 15.5330, -35.5124
Hunter-Lab	69.0080, -15.5442, -9.5824

Details

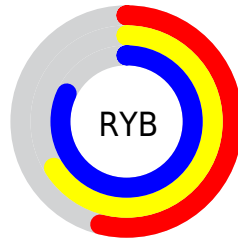
The Yxy color **47.6211, 0.2613, 0.3059** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4861, 0.3862, 0.3507**, and the grayscale version is **44.1742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5613, 0.2756, 0.3214**, and **22.4283, 0.2473, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **43.8912, 0.2479, 0.2980**, and if you desaturate by 10%, it is **51.7697, 0.2756, 0.3133**.

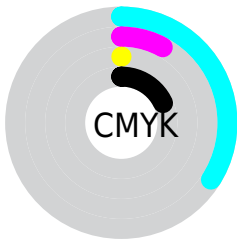
Distribution



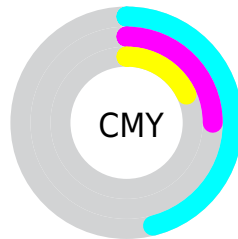
- Red (54%)
- Green (75%)
- Blue (82%)



- Red (54%)
- Yellow (66%)
- Blue (82%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (46%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6211, 0.2613, 0.3059 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 47.6211, 0.2613, 0.3059 by changing the saturation by 10% instead.

■ 47.6211, 0.2613,
0.3059

■ 47.6211, 0.2613,
0.3059

■ 377.2883, 0.2864,
0.3178

■ 33.5269, 0.2552,
0.3028

■ 86.6400, 0.2703,
0.3103

■ 22.5304, 0.2475,
0.2989

■ 112.3335, 0.2737,
0.3119

■ 14.2472, 0.2375,
0.2935

■ 142.6622, 0.2766,
0.3133

■ 8.2928, 0.2238,
0.2859

■ 178.0106, 0.2791,
0.3145

■ 4.2828, 0.2044,
0.2745

■ 218.7630, 0.2813,
0.3155

■ 1.8330, 0.1748,
0.2554

■ 265.3038, 0.2832,

■ 0.5076, 0.0640,

0.3164

0.2177

318.0175, 0.2849,
0.3171

0.0000, 0.0000,
0.0000

47.6211, 0.2613,
0.3059

47.6211, 0.2613,
0.3059

43.8912, 0.2479,
0.2980

51.7697, 0.2756,
0.3133

40.5538, 0.2358,
0.2897

56.3504, 0.2906,
0.3202

37.5883, 0.2253,
0.2811

61.3825, 0.3059,
0.3264

34.9693, 0.2165,
0.2724

66.8827, 0.3212,
0.3321

32.6677, 0.2098,
0.2636

72.8666, 0.3364,
0.3371

■ 30.6481, 0.2049,
0.2549

■ 77.9129, 0.3456,
0.3419

■ 29.6135, 0.2028,
0.2501

■ 80.5697, 0.3448,
0.3468

■ 83.3039, 0.3439,
0.3517

■ 86.1162, 0.3431,
0.3565

Harmonies

Analogous

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



47.6211, 0.2705, 0.3304



47.6211, 0.2613, 0.3059



47.6211, 0.2651, 0.2892

Triad

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



47.6211, 0.2613, 0.3059



47.6211, 0.3338, 0.3042



47.6211, 0.3438, 0.3774

Complementary

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



47.6211, 0.2613, 0.3059



38.4861, 0.3862, 0.3507

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.



47.6211, 0.3622, 0.3676



47.6211, 0.2613, 0.3059



47.6211, 0.3565, 0.3254

Square

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



47.6211, 0.2613, 0.3059



47.6211, 0.3060, 0.2891



47.6211, 0.3670, 0.3483



47.6211, 0.3175, 0.3735

Rectangle

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



47.6211, 0.2613, 0.3059



47.6211, 0.2746, 0.2842



47.6211, 0.3670, 0.3483



47.6211, 0.3511, 0.3755

Sweetspot

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



47.6230, 0.2613, 0.3059



91.6956, 0.2972, 0.3229



53.2539, 0.2975, 0.4068



19.3896, 0.2950, 0.3220



0.0000, 0.0000, 0.0000



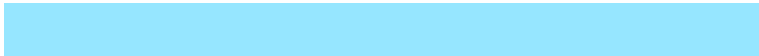
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6230, 0.2613, 0.3059



70.5036, 0.2518, 0.3004



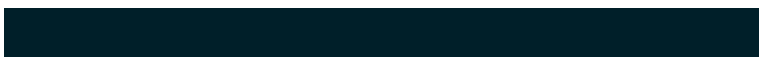
33.7744, 0.2546, 0.2547



12.9137, 0.2983, 0.3234



18.4147, 0.2032, 0.2514



1.1470, 0.2076, 0.2672

Inverse Universe

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



35.2600, 0.3332, 0.2625



48.9462, 0.3386, 0.2491



52.1103, 0.3714, 0.3935



11.9593, 0.3173, 0.3114



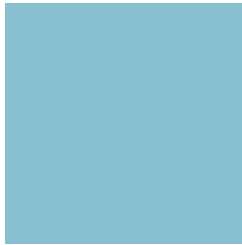
9.9302, 0.3909, 0.1927



0.5671, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 47.6211, 0.2613, 0.3059 looks on a white background.

Color Contrast Check

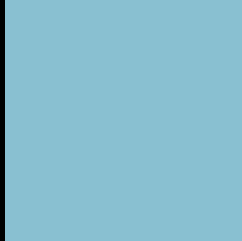
Large Text (above 18pt) WCAG AA × Fail

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 47.6211, 0.2613, 0.3059 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

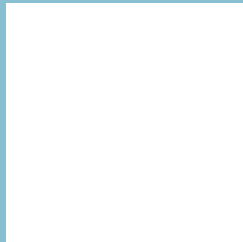
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6211, 0.2613, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 47.6211, 0.2613, 0.3059.



This preview shows how white text looks on a background with the Yxy color 47.6211, 0.2613, 0.3059.

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

47.6211, 0.2613, 0.3059

Protanopia

47.4235, 0.2958, 0.3035

Deuteranopia

47.1591, 0.2940, 0.2870



Tritanopia

47.5717, 0.2619, 0.3072

Trichromacy



Original Color

47.6211, 0.2613, 0.3059

Protanomaly

47.4181, 0.2815, 0.3042

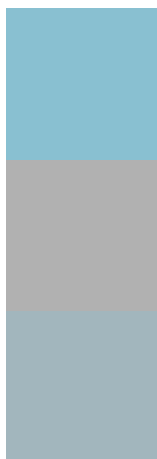
Deuteranomaly

47.0051, 0.2809, 0.2931

Tritanomaly

47.5717, 0.2619, 0.3072

Monochromacy



Original Color

47.6211, 0.2613, 0.3059

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8114, 0.2910, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6211, 0.2613, 0.3059 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(137, 192, 209)` looks like.

```
.text, #text, p{  
    color:rgb(137, 192, 209)  
}
```

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(137, 192, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 192, 209) }
```

Border

The CSS property to change the border of an element to Yxy 47.6211, 0.2613, 0.3059 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(137, 192, 209) }
```

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

```
.border{ border-color:rgb(137, 192, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 192, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 192, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 192, 209);  
box-shadow:4px 4px 4px 4px rgb(137, 192,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6211, 0.2613, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 192, 209) }
```

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

```
.background{ background-color: rgb(137,  
192, 209) }
```

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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