

Converting Colors

$Y_{xy}(50.8209, 0.2767, 0.3412)$

Have a look what the booklet for
Yxy(50.8209, 0.2767, 0.3412)
contains.

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Color

Yxy(50.8209, 0.2767, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	8EC8BF
RGB	142, 200, 191
RGB Percent	56%, 78%, 75%
CMY	0.4431, 0.2157, 0.2511
CMYK	0.29, 0.00, 0.05, 0.22
HSL	171°, 35%, 67%
HSV	171°, 29%, 78%
XYZ	41.2138, 50.8209, 56.9129
YIQ	181.6320, -31.6790, -15.0950

Conversions

Conversions Part 2

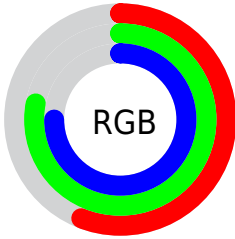
Format	Color
RYB	142, 173, 200
Decimal	9357503
CIELab	76.57, -20.56, -1.50
CIElCh	77, 20.618, 184.179
Yxy	50.8209, 0.2767, 0.3412
Android (android.graphics.Color)	4287547583 (0xFF8EC8BF)
YUV	181.6320, 4.6184, -34.7573
Hunter-Lab	71.2888, -21.5602, 2.5684

Details

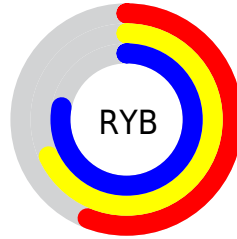
The Yxy color **50.8209, 0.2767, 0.3412** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.8681, 0.3662, 0.3173**, and the grayscale version is **46.5584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1057, 0.2830, 0.3374**, and **24.5166, 0.2664, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **49.0738, 0.2662, 0.3461**, and if you desaturate by 10%, it is **52.8925, 0.2884, 0.3367**.

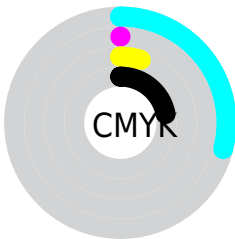
Distribution



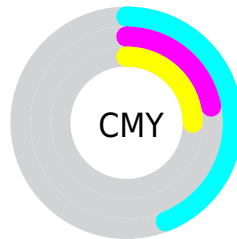
- Red (56%)
- Green (78%)
- Blue (75%)



- Red (56%)
- Yellow (68%)
- Blue (78%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (44%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8209, 0.2767, 0.3412 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 50.8209, 0.2767, 0.3412 by changing the saturation by 10% instead.

 50.8209, 0.2767,
0.3412

 50.8209, 0.2767,
0.3412

389.8675, 0.2944,
0.3353

 36.0661, 0.2724,
0.3426


 91.3900, 0.2830,
0.3391

 24.4852, 0.2669,
0.3444


 117.9730, 0.2854,
0.3383

 15.6940, 0.2598,
0.3467


149.2676, 0.2875,
0.3376

 9.3079, 0.2500,
0.3499

185.6582, 0.2892,
0.3370

 4.9425, 0.2357,
0.3543

227.5290, 0.2908,
0.3365

 2.2136, 0.2134,
0.3611

275.2646, 0.2921,

 0.7274, 0.1044,

0.3361

0.4010

329.2493, 0.2933,
0.3357

0.0000, 0.0000,
0.0000

50.8209, 0.2767,
0.3412

50.8209, 0.2767,
0.3412

49.0738, 0.2662,
0.3461

52.8925, 0.2884,
0.3367

47.6279, 0.2571,
0.3512

55.2981, 0.3009,
0.3325

46.4668, 0.2497,
0.3566

58.0544, 0.3141,
0.3286

45.5699, 0.2441,
0.3620

61.1752, 0.3275,
0.3252

44.9136, 0.2405,
0.3676

64.6737, 0.3411,
0.3221

■ 44.4704, 0.2388,
0.3731

■ 67.2058, 0.3490,
0.3192

■ 44.1941, 0.2386,
0.3786

■ 67.3622, 0.3466,
0.3160

■ 44.1693, 0.2387,
0.3791

■ 67.5217, 0.3442,
0.3129

■ 67.6841, 0.3418,
0.3098

Harmonies

Analogous

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



50.8209, 0.3008, 0.3651



50.8209, 0.2767, 0.3412



50.8209, 0.2624, 0.3147

Triad

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



50.8209, 0.2767, 0.3412



50.8209, 0.2949, 0.2847



50.8209, 0.3671, 0.3613

Complementary

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



50.8209, 0.2767, 0.3412



33.8681, 0.3662, 0.3173

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.



50.8209, 0.3658, 0.3394



50.8209, 0.2767, 0.3412



50.8209, 0.3230, 0.2965

Square

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



50.8209, 0.2767, 0.3412



50.8209, 0.2725, 0.2835



50.8209, 0.3493, 0.3161



50.8209, 0.3533, 0.3760

Rectangle

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



50.8209, 0.2767, 0.3412



50.8209, 0.2599, 0.2999



50.8209, 0.3493, 0.3161



50.8209, 0.3685, 0.3545

Sweetspot

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



50.8230, 0.2767, 0.3412



95.6762, 0.3007, 0.3325



49.9084, 0.3162, 0.4106



20.3393, 0.2988, 0.3331



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.



50.8230, 0.2767, 0.3412



85.9572, 0.2697, 0.3443



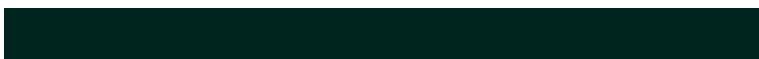
42.8389, 0.2683, 0.3021



12.0381, 0.3004, 0.3326



28.0945, 0.2384, 0.3783



1.3381, 0.2353, 0.3669

Inverse Universe

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



33.8681, 0.3662, 0.3173



51.7224, 0.3834, 0.3146



39.8451, 0.3691, 0.3543



10.6634, 0.3265, 0.3254



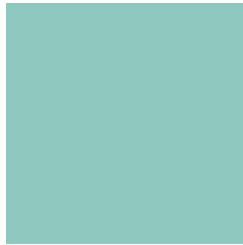
7.8796, 0.6164, 0.3169



0.3819, 0.5649, 0.2886

Previews

White Background



This preview shows how the Yxy color 50.8209, 0.2767, 0.3412 looks on a white background.

Color Contrast Check

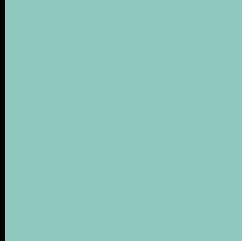
Large Text (above 18pt) WCAG AA × Fail

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 50.8209, 0.2767, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

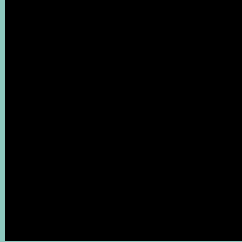
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

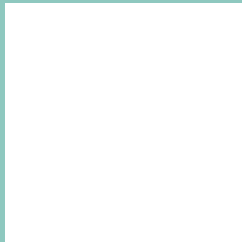
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8209, 0.2767, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 50.8209, 0.2767, 0.3412.



This preview shows how white text looks on a background with the Yxy color 50.8209, 0.2767, 0.3412.

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

50.8209, 0.2767, 0.3412

Protanopia

50.3388, 0.3201, 0.3328

Deuteranopia

50.6445, 0.3210, 0.3145



Tritanopia

50.9396, 0.2661, 0.3080

Trichromacy



Original Color

50.8209, 0.2767, 0.3412

Protanomaly

50.2858, 0.3020, 0.3355

Deuteranomaly

50.1140, 0.3025, 0.3226

Tritanomaly

50.8157, 0.2697, 0.3196

Monochromacy



Original Color

50.8209, 0.2767, 0.3412

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.1135, 0.2980, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8209, 0.2767, 0.3412 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(142, 200, 191)` looks like.

```
.text, #text, p{  
    color:rgb(142, 200, 191)  
}
```

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(142, 200, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 200, 191) }
```

Border

The CSS property to change the border of an element to Yxy 50.8209, 0.2767, 0.3412 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(142, 200, 191) }
```

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

```
.border{ border-color:rgb(142, 200, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 200, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 200, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 200, 191);  
box-shadow:4px 4px 4px 4px rgb(142, 200,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8209, 0.2767, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 200, 191) }
```

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

```
.background{ background-color: rgb(142,  
200, 191) }
```

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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