

Converting Colors

$Yxy(48.5326, 0.2530, 0.3429)$

Have a look what the booklet for
Yxy(48.5326, 0.2530, 0.3429)
contains.

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Color

Yxy(48.3458, 0.2529, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	65C9C0
RGB	101, 201, 192
RGB Percent	40%, 79%, 75%
CMY	0.6038, 0.2118, 0.2470
CMYK	0.50, 0.00, 0.04, 0.21
HSL	175°, 48%, 59%
HSV	175°, 50%, 79%
XYZ	35.7714, 48.3458, 57.3275
YIQ	170.0740, -56.7110, -23.9990

Conversions

Conversions Part 2

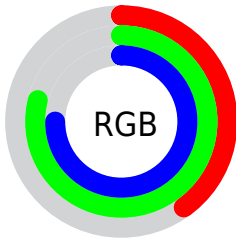
Format	Color
RYB	101, 153, 201
Decimal	6670784
CIELab	75.04, -31.43, -4.53
CIELCh	75, 31.753, 188.197
Yxy	48.3458, 0.2529, 0.3418
Android (android.graphics.Color)	4284860864 (0xFF65C9C0)
YUV	170.0740, 10.8095, -60.5779
Hunter-Lab	69.5311, -29.8474, -0.2120

Details

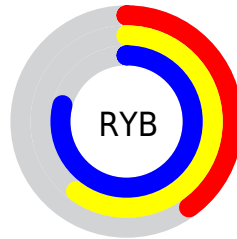
The Yxy color **48.3458, 0.2529, 0.3418** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.8551, 0.4388, 0.3178**, and the grayscale version is **40.2077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6682, 0.2633, 0.3366**, and **23.1436, 0.2369, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **47.2461, 0.2451, 0.3448**, and if you desaturate by 10%, it is **49.7340, 0.2624, 0.3389**.

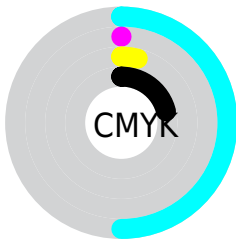
Distribution



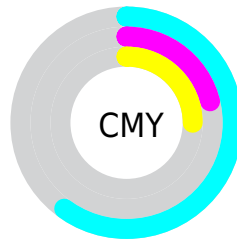
- Red (40%)
- Green (79%)
- Blue (75%)



- Red (40%)
- Yellow (60%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (21%)





- Cyan (60%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3458, 0.2529, 0.3418 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 48.3458, 0.2529, 0.3418 by changing the saturation by 10% instead.


 48.3458, 0.2529,
0.3418


 48.3458, 0.2529,
0.3418


380.1612, 0.2822,
0.3359


 34.1008, 0.2458,
0.3431


 87.7190, 0.2634,
0.3398

 22.9711, 0.2368,
0.3447


 113.6161, 0.2674,
0.3390

 14.5721, 0.2250,
0.3467


 144.1659, 0.2708,
0.3383

 8.5197, 0.2090,
0.3491

 179.7530, 0.2737,
0.3377

 4.4292, 0.1861,
0.3521

220.7617, 0.2763,
0.3372

 1.9164, 0.1512,
0.3553

267.5763, 0.2785,

 0.5582, 0.0000,

0.3367

0.3765

320.5813, 0.2805,
0.3363

0.0000, 0.0000,
0.0000

48.3458, 0.2529,
0.3418

48.3458, 0.2529,
0.3418

47.2461, 0.2451,
0.3448

49.7340, 0.2624,
0.3389

46.4081, 0.2393,
0.3478

51.4240, 0.2734,
0.3361

45.8097, 0.2353,
0.3509


53.4348, 0.2858,
0.3336

45.4227, 0.2332,
0.3540

55.7826, 0.2991,
0.3311


45.1951, 0.2325,
0.3570

58.4822, 0.3131,
0.3289

 45.1897, 0.2325,
0.3571

 61.5477, 0.3275,
0.3270

 64.9923, 0.3422,
0.3252

 67.5115, 0.3514,
0.3235

 67.6000, 0.3499,
0.3217

Harmonies

Analogous

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



48.3458, 0.2877, 0.3827



48.3458, 0.2529, 0.3418



48.3458, 0.2343, 0.3002

Triad

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



48.3458, 0.2529, 0.3418



48.3458, 0.2899, 0.2635



48.3458, 0.3962, 0.3814

Complementary

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



48.3458, 0.2529, 0.3418



22.8551, 0.4388, 0.3178

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.



48.3458, 0.3981, 0.3481



48.3458, 0.2529, 0.3418



48.3458, 0.3342, 0.2829

Square

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



48.3458, 0.2529, 0.3418



48.3458, 0.2544, 0.2586



48.3458, 0.3748, 0.3130



48.3458, 0.3709, 0.4040

Rectangle

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



48.3458, 0.2529, 0.3418



48.3458, 0.2325, 0.2788



48.3458, 0.3748, 0.3130



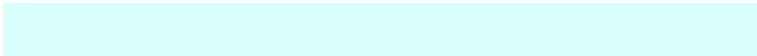
48.3458, 0.3997, 0.3710

Sweetspot

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



48.3477, 0.2529, 0.3418



93.2342, 0.2917, 0.3324



46.0938, 0.3119, 0.4825



19.7762, 0.2889, 0.3330



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.



48.3477, 0.2529, 0.3418



80.7113, 0.2444, 0.3451



32.4779, 0.2365, 0.2681



12.0505, 0.2996, 0.3311



28.4209, 0.2324, 0.3566



1.3507, 0.2306, 0.3503

Inverse Universe

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



22.8551, 0.4388, 0.3178



32.0176, 0.4856, 0.3164



32.4112, 0.4228, 0.3811



10.6521, 0.3276, 0.3270



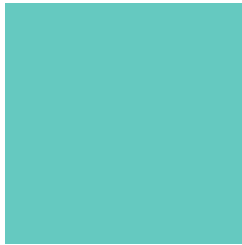
7.8412, 0.6288, 0.3237



0.3767, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 48.3458, 0.2529, 0.3418 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 48.3458, 0.2529, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

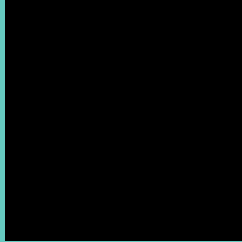
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

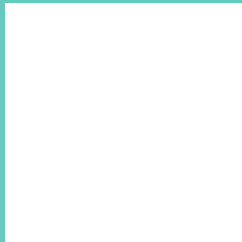
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3458, 0.2529, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 48.3458, 0.2529, 0.3418.

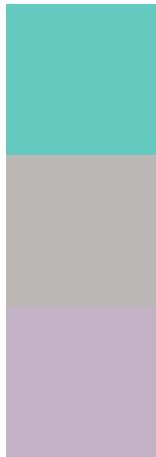


This preview shows how white text looks on a background with the Yxy color 48.3458, 0.2529, 0.3418.

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

48.3458, 0.2529, 0.3418

Protanopia

47.7680, 0.3177, 0.3316

Deuteranopia

47.4741, 0.3121, 0.3055



Tritanopia

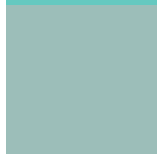
48.4314, 0.2440, 0.3068

Trichromacy



Original Color

48.3458, 0.2529, 0.3418



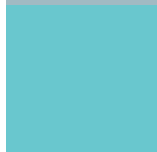
Protanomaly

47.3976, 0.2896, 0.3357



Deuteranomaly

46.6350, 0.2861, 0.3169



Tritanomaly

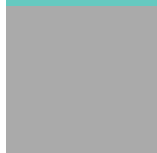
48.3063, 0.2469, 0.3190

Monochromacy



Original Color

48.3458, 0.2529, 0.3418



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2818, 0.2856, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3458, 0.2529, 0.3418 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(101, 201, 192)` looks like.

```
.text, #text, p{  
    color:rgb(101, 201, 192)  
}
```

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(101, 201, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 201, 192) }
```

Border

The CSS property to change the border of an element to Yxy 48.3458, 0.2529, 0.3418 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(101, 201, 192) }
```

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

```
.border{ border-color:rgb(101, 201, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 201, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 201, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 201, 192);  
box-shadow:4px 4px 4px 4px rgb(101, 201,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3458, 0.2529, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 201, 192) }
```

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

```
.background{ background-color: rgb(101,  
201, 192) }
```

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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