

Converting Colors

$Y_{xy}(48.4600, 0.2619, 0.3402)$

Have a look what the booklet for
Yxy(48.4600, 0.2619, 0.3402)
contains.

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Color

Yxy(48.4600, 0.2619, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	76C7BF
RGB	118, 199, 191
RGB Percent	46%, 78%, 75%
CMY	0.5369, 0.2196, 0.2510
CMYK	0.41, 0.00, 0.04, 0.22
HSL	174°, 42%, 62%
HSV	174°, 41%, 78%
XYZ	37.3065, 48.4600, 56.6791
YIQ	173.8690, -45.7080, -19.6600

Conversions

Conversions Part 2

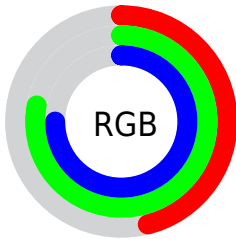
Format	Color
R_{YB}	118, 161, 199
Decimal	7784383
CIE _{Lab}	75.11, -26.65, -3.79
CIE _{LCh}	75, 26.914, 188.100
Yxy	48.4600, 0.2619, 0.3402
Android (android.graphics.Color)	4285974463 (0xFF76C7BF)
YUV	173.8690, 8.4456, -48.9971
Hunter-Lab	69.6132, -26.1630, 0.4553

Details

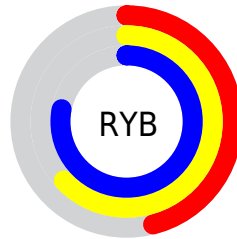
The Yxy color **48.4600, 0.2619, 0.3402** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.6246, 0.4046, 0.3187**, and the grayscale version is **42.2400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2341, 0.2709, 0.3376**, and **23.1099, 0.2476, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **47.1256, 0.2526, 0.3434**, and if you desaturate by 10%, it is **50.0933, 0.2727, 0.3371**.

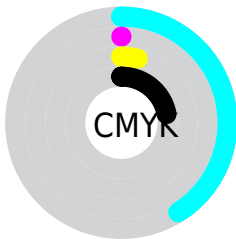
Distribution



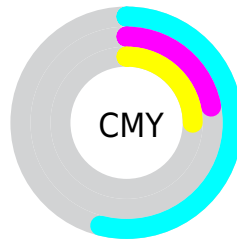
- Red (46%)
- Green (78%)
- Blue (75%)



- Red (46%)
- Yellow (63%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4600, 0.2619, 0.3402 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 48.4600, 0.2619, 0.3402 by changing the saturation by 10% instead.


 48.4600, 0.2619,
0.3402


 48.4600, 0.2619,
0.3402


380.6126, 0.2869,
0.3350


 34.1913, 0.2558,
0.3414


 87.8889, 0.2709,
0.3384

 23.0406, 0.2481,
0.3429


 113.8179, 0.2743,
0.3377

 14.6235, 0.2379,
0.3447


 144.4025, 0.2772,
0.3371

 8.5556, 0.2241,
0.3471

180.0270, 0.2796,
0.3365

 4.4525, 0.2041,
0.3501

221.0759, 0.2818,
0.3361

 1.9297, 0.1731,
0.3539

267.9335, 0.2837,

 0.5662, 0.0000,

0.3357

0.3911

320.9843, 0.2854,
0.3353

0.0000, 0.0000,
0.0000

48.4600, 0.2619,
0.3402

48.4600, 0.2619,
0.3402

47.1256, 0.2526,
0.3434

50.0933, 0.2727,
0.3371

46.0657, 0.2451,
0.3467

52.0368, 0.2848,
0.3343

45.2615, 0.2395,
0.3501


54.3082, 0.2979,
0.3316

44.6893, 0.2357,
0.3535

56.9219, 0.3118,
0.3292

44.3210, 0.2338,
0.3569

59.8919, 0.3261,
0.3269

 44.1118, 0.2333,
0.3600

 63.2312, 0.3405,
0.3250

 66.4990, 0.3531,
0.3232

 66.5944, 0.3515,
0.3212

 66.6909, 0.3500,
0.3192

Harmonies

Analogous

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



48.4600, 0.2919, 0.3740



48.4600, 0.2619, 0.3402



48.4600, 0.2456, 0.3052

Triad

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



48.4600, 0.2619, 0.3402



48.4600, 0.2934, 0.2727



48.4600, 0.3836, 0.3741

Complementary

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



48.4600, 0.2619, 0.3402



26.6246, 0.4046, 0.3187

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.



48.4600, 0.3848, 0.3459



48.4600, 0.2619, 0.3402



48.4600, 0.3310, 0.2895

Square

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



48.4600, 0.2619, 0.3402



48.4600, 0.2629, 0.2688



48.4600, 0.3652, 0.3155



48.4600, 0.3625, 0.3927

Rectangle

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



48.4600, 0.2619, 0.3402



48.4600, 0.2440, 0.2868



48.4600, 0.3652, 0.3155



48.4600, 0.3864, 0.3654

Sweetspot

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



48.4619, 0.2619, 0.3402



94.4582, 0.2959, 0.3320



46.6015, 0.3127, 0.4508



20.1004, 0.2941, 0.3323



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.



48.4619, 0.2619, 0.3402



82.7206, 0.2534, 0.3431



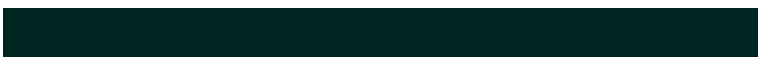
35.4811, 0.2499, 0.2811



12.0488, 0.2997, 0.3313



28.3748, 0.2332, 0.3595



1.3489, 0.2313, 0.3525

Inverse Universe

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



26.6246, 0.4046, 0.3187



39.2032, 0.4373, 0.3167



35.4056, 0.3970, 0.3719



10.6537, 0.3274, 0.3268



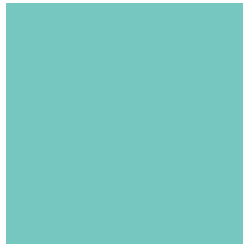
7.8454, 0.6274, 0.3230



0.3774, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 48.4600, 0.2619, 0.3402 looks on a white background.

Color Contrast Check

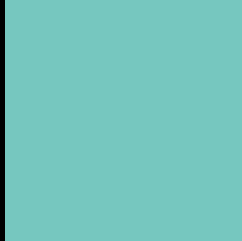
Large Text (above 18pt) WCAG AA × Fail

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 48.4600, 0.2619, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

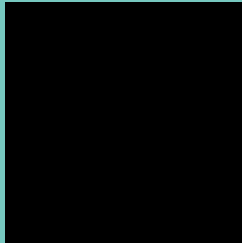
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

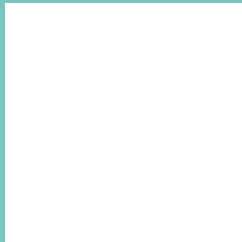
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4600, 0.2619, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 48.4600, 0.2619, 0.3402.

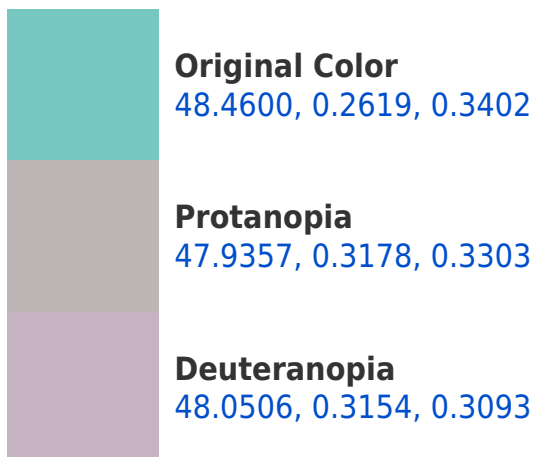


This preview shows how white text looks on a background with the Yxy color 48.4600, 0.2619, 0.3402.

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





Tritanopia

48.5184, 0.2528, 0.3071

Trichromacy



Original Color

48.4600, 0.2619, 0.3402

Protanomaly

47.6845, 0.2949, 0.3343

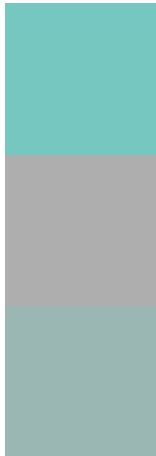
Deuteranomaly

47.3377, 0.2922, 0.3184

Tritanomaly

48.4297, 0.2563, 0.3192

Monochromacy



Original Color

48.4600, 0.2619, 0.3402

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0323, 0.2913, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4600, 0.2619, 0.3402 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(118, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(118, 199, 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(118, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 199, 191) }
```

Border

The CSS property to change the border of an element to Yxy 48.4600, 0.2619, 0.3402 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(118, 199, 191) }
```

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

```
.border{ border-color:rgb(118, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(118, 199,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4600, 0.2619, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 199, 191) }
```

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

```
.background{ background-color: rgb(118,  
199, 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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