

Converting Colors

$Y_{xy}(48.4722, 0.2602, 0.3493)$

Have a look what the booklet for
Yxy(48.4722, 0.2602, 0.3493)
contains.

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Color

Yxy(48.6761, 0.2602, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	6EC9BB
RGB	110, 201, 187
RGB Percent	43%, 79%, 73%
CMY	0.5685, 0.2118, 0.2666
CMYK	0.45, 0.00, 0.07, 0.21
HSL	171°, 46%, 61%
HSV	171°, 45%, 79%
XYZ	36.2909, 48.6761, 54.5061
YIQ	172.1950, -49.7420, -23.6460

Conversions

Conversions Part 2

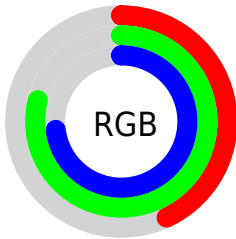
Format	Color
RYB	110, 159, 201
Decimal	7260603
CIELab	75.25, -30.58, -1.48
CIELCh	75, 30.617, 182.764
Yxy	48.6761, 0.2602, 0.3490
Android (android.graphics.Color)	4285450683 (0xFF6EC9BB)
YUV	172.1950, 7.2989, -54.5450
Hunter-Lab	69.7683, -29.2453, 2.5178

Details

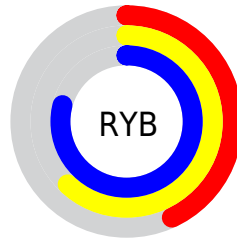
The Yxy color **48.6761, 0.2602, 0.3490** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.0317, 0.4138, 0.3110**, and the grayscale version is **41.3452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0981, 0.2689, 0.3422**, and **23.3187, 0.2460, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **47.4003, 0.2521, 0.3542**, and if you desaturate by 10%, it is **50.2510, 0.2699, 0.3440**.

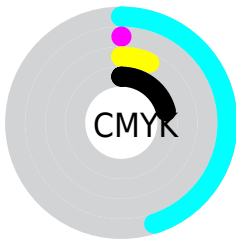
Distribution



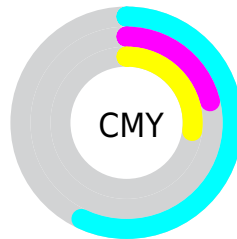
- Red (43%)
- Green (79%)
- Blue (73%)



- Red (43%)
- Yellow (62%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (7%)
- Black (21%)





- Cyan (57%)
- Magenta (21%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6761, 0.2602, 0.3490 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 48.6761, 0.2602, 0.3490 by changing the saturation by 10% instead.


 48.6761, 0.2602,
0.3490


 48.6761, 0.2602,
0.3490

381.4658, 0.2861,
0.3393


 34.3626, 0.2539,
0.3513


 88.2102, 0.2695,
0.3455

 23.1723, 0.2458,
0.3543


 114.1996, 0.2730,
0.3442

 14.7208, 0.2353,
0.3582


 144.8498, 0.2760,
0.3431

 8.6237, 0.2209,
0.3633

180.5451, 0.2786,
0.3421

 4.4965, 0.2000,
0.3707

221.6700, 0.2808,
0.3413

 1.9550, 0.1676,
0.3817

268.6088, 0.2828,

 0.5811, 0.0000,

0.3405

0.4412

321.7459, 0.2845,
0.3399

0.0000, 0.0000,
0.0000

48.6761, 0.2602,
0.3490

48.6761, 0.2602,
0.3490

47.4003, 0.2521,
0.3542

50.2510, 0.2699,
0.3440

46.3978, 0.2459,
0.3596

52.1374, 0.2809,
0.3393

45.6480, 0.2415,
0.3650


54.3539, 0.2929,
0.3350

45.1247, 0.2390,
0.3705

56.9161, 0.3058,
0.3310

44.7960, 0.2384,
0.3759


59.8383, 0.3191,
0.3273

 44.6787, 0.2385,
0.3785

 63.1344, 0.3327,
0.3241

 66.8173, 0.3463,
0.3212

 67.7721, 0.3472,
0.3181

 67.9292, 0.3448,
0.3150

Harmonies

Analogous

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



48.6761, 0.2960, 0.3862



48.6761, 0.2602, 0.3490



48.6761, 0.2390, 0.3081

Triad

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



48.6761, 0.2602, 0.3490



48.6761, 0.2837, 0.2638



48.6761, 0.3952, 0.3743

Complementary

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



48.6761, 0.2602, 0.3490



25.0317, 0.4138, 0.3110

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.



48.6761, 0.3924, 0.3414



48.6761, 0.2602, 0.3490



48.6761, 0.3256, 0.2803

Square

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



48.6761, 0.2602, 0.3490



48.6761, 0.2519, 0.2620



48.6761, 0.3663, 0.3079



48.6761, 0.3746, 0.3985

Rectangle

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



48.6761, 0.2602, 0.3490



48.6761, 0.2350, 0.2857



48.6761, 0.3663, 0.3079



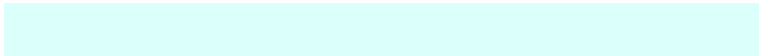
48.6761, 0.3970, 0.3639

Sweetspot

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



48.6780, 0.2602, 0.3490



93.4983, 0.2943, 0.3345



47.2733, 0.3167, 0.4651



19.8212, 0.2915, 0.3354



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.



48.6780, 0.2602, 0.3490



81.2540, 0.2525, 0.3539



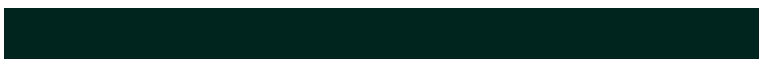
36.5377, 0.2447, 0.2840



12.0385, 0.3004, 0.3326



28.1039, 0.2382, 0.3777



1.3385, 0.2351, 0.3664

Inverse Universe

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



25.0317, 0.4138, 0.3110



35.9010, 0.4484, 0.3080



32.4037, 0.4136, 0.3689



10.6631, 0.3266, 0.3255



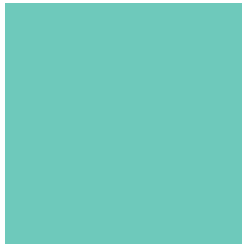
7.8782, 0.6169, 0.3172



0.3817, 0.5657, 0.2890

Previews

White Background



This preview shows how the Yxy color 48.6761, 0.2602, 0.3490 looks on a white background.

Color Contrast Check

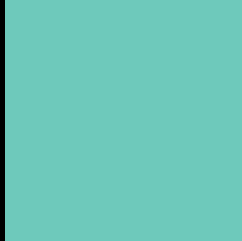
Large Text (above 18pt) WCAG AA × Fail

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 48.6761, 0.2602, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

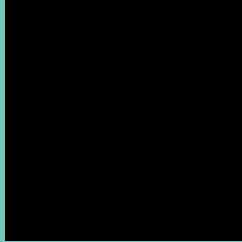
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

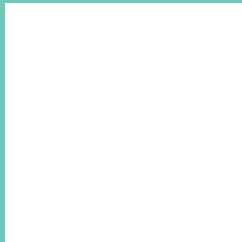
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6761, 0.2602, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 48.6761, 0.2602, 0.3490.

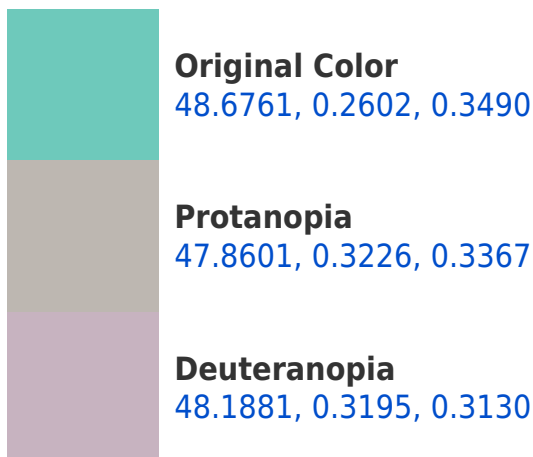


This preview shows how white text looks on a background with the Yxy color 48.6761, 0.2602, 0.3490.

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

48.5882, 0.2492, 0.3070

Trichromacy



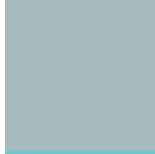
Original Color

48.6761, 0.2602, 0.3490



Protanomaly

47.6367, 0.2954, 0.3412



Deuteranomaly

47.4738, 0.2944, 0.3250



Tritanomaly

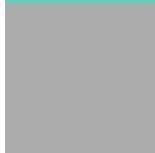
48.3926, 0.2527, 0.3205

Monochromacy



Original Color

48.6761, 0.2602, 0.3490



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.4309, 0.2895, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6761, 0.2602, 0.3490 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(110, 201, 187)` looks like.

```
.text, #text, p{  
    color:rgb(110, 201, 187)  
}
```

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(110, 201, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 201, 187) }
```

Border

The CSS property to change the border of an element to Yxy 48.6761, 0.2602, 0.3490 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(110, 201, 187) }
```

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

```
.border{ border-color:rgb(110, 201, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 201, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 201, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 201, 187);  
box-shadow:4px 4px 4px 4px rgb(110, 201,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6761, 0.2602, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 201, 187) }
```

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

```
.background{ background-color: rgb(110,  
201, 187) }
```

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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