

Converting Colors

$Yxy(48.1585, 0.2672, 0.3426)$

Have a look what the booklet for
Yxy(48.1585, 0.2672, 0.3426)
contains.

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Color

Yxy(48.3790, 0.2675, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	7DC6BC
RGB	125, 198, 188
RGB Percent	49%, 78%, 74%
CMY	0.5098, 0.2235, 0.2627
CMYK	0.37, 0.00, 0.05, 0.22
HSL	172°, 39%, 63%
HSV	172°, 37%, 78%
XYZ	37.7300, 48.3790, 54.9377
YIQ	175.0330, -40.2980, -18.5860

Conversions

Conversions Part 2

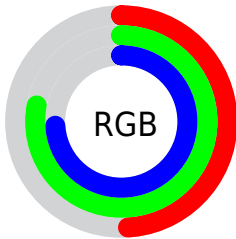
Format	Color
RYB	125, 164, 198
Decimal	8242876
CIELab	75.06, -25.05, -2.22
CIELCh	75, 25.144, 185.054
Yxy	48.3790, 0.2675, 0.3430
Android (android.graphics.Color)	4286432956 (0xFF7DC6BC)
YUV	175.0330, 6.3927, -43.8789
Hunter-Lab	69.5550, -24.8943, 1.8586

Details

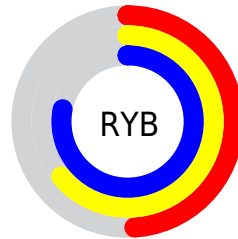
The Yxy color **48.3790, 0.2675, 0.3430** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.4219, 0.3889, 0.3159**, and the grayscale version is **42.8710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7550, 0.2754, 0.3409**, and **23.0354, 0.2550, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **46.9206, 0.2579, 0.3474**, and if you desaturate by 10%, it is **50.1404, 0.2785, 0.3388**.

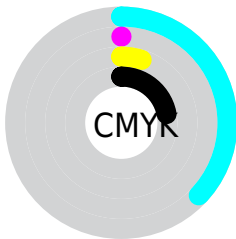
Distribution



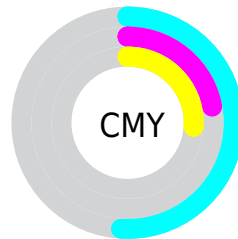
- Red (49%)
- Green (78%)
- Blue (74%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)




- Cyan (51%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3790, 0.2675, 0.3430 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 48.3790, 0.2675, 0.3430 by changing the saturation by 10% instead.


 48.3790, 0.2675,
0.3430

 48.3790, 0.2675,
0.3430


380.2924, 0.2898,
0.3362

 34.1271, 0.2620,
0.3446


 87.7684, 0.2755,
0.3406

 22.9913, 0.2551,
0.3466


 113.6748, 0.2786,
0.3397

 14.5871, 0.2459,
0.3493


 144.2347, 0.2811,
0.3389

 8.5301, 0.2334,
0.3528

179.8327, 0.2834,
0.3382

 4.4360, 0.2151,
0.3577

220.8530, 0.2853,
0.3376

 1.9203, 0.1863,
0.3649

267.6802, 0.2870,

 0.5605, 0.0000,

0.3371

0.4228

320.6985, 0.2885,
0.3367

0.0000, 0.0000,
0.0000

48.3790, 0.2675,
0.3430

48.3790, 0.2675,
0.3430

46.9206, 0.2579,
0.3474

50.1404, 0.2785,
0.3388

45.7418, 0.2500,
0.3521

52.2155, 0.2906,
0.3349

44.8248, 0.2439,
0.3568


54.6211, 0.3035,
0.3313


44.1474, 0.2397,
0.3616


57.3715, 0.3170,
0.3280


43.6838, 0.2374,
0.3664


60.4799, 0.3308,
0.3251

 43.3993, 0.2369,
0.3711

 63.9590, 0.3447,
0.3224

 43.3269, 0.2369,
0.3726

 66.1528, 0.3515,
0.3199

 66.2864, 0.3494,
0.3171

 66.4222, 0.3472,
0.3144

Harmonies

Analogous

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



48.3790, 0.2967, 0.3735



48.3790, 0.2675, 0.3430



48.3790, 0.2506, 0.3099

Triad

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



48.3790, 0.2675, 0.3430



48.3790, 0.2914, 0.2751



48.3790, 0.3800, 0.3690

Complementary

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



48.3790, 0.2675, 0.3430



28.4219, 0.3889, 0.3159

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.



48.3790, 0.3790, 0.3421



48.3790, 0.2675, 0.3430



48.3790, 0.3263, 0.2898

Square

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



48.3790, 0.2675, 0.3430



48.3790, 0.2638, 0.2729



48.3790, 0.3590, 0.3137



48.3790, 0.3621, 0.3875

Rectangle

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



48.3790, 0.2675, 0.3430



48.3790, 0.2480, 0.2919



48.3790, 0.3590, 0.3137



48.3790, 0.3819, 0.3606

Sweetspot

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



48.3809, 0.2675, 0.3430



94.8182, 0.2979, 0.3328



47.0999, 0.3157, 0.4368



20.1695, 0.2961, 0.3333



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.



48.3809, 0.2675, 0.3430



83.6129, 0.2599, 0.3464



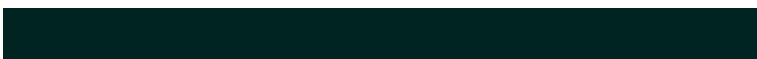
38.1144, 0.2564, 0.2918



12.0417, 0.3002, 0.3322



28.1852, 0.2367, 0.3720



1.3416, 0.2339, 0.3621

Inverse Universe

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



28.4219, 0.3889, 0.3159



43.3184, 0.4137, 0.3132



35.4755, 0.3888, 0.3631



10.6602, 0.3268, 0.3259



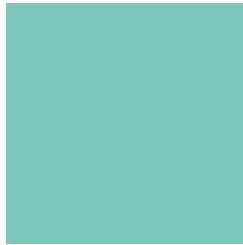
7.8668, 0.6205, 0.3192



0.3804, 0.5728, 0.2929

Previews

White Background



This preview shows how the Yxy color 48.3790, 0.2675, 0.3430 looks on a white background.

Color Contrast Check

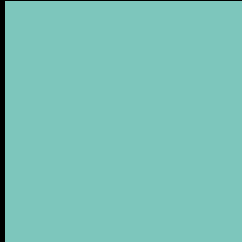
Large Text (above 18pt) WCAG AA × Fail

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 48.3790, 0.2675, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

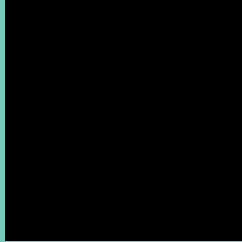
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

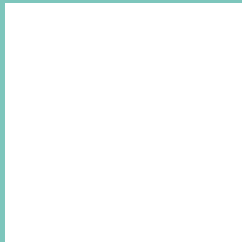
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3790, 0.2675, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 48.3790, 0.2675, 0.3430.

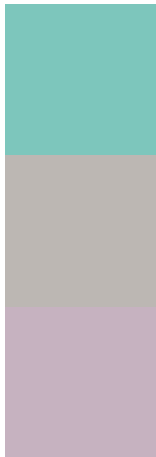


This preview shows how white text looks on a background with the Yxy color 48.3790, 0.2675, 0.3430.

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

48.3790, 0.2675, 0.3430

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.6523, 0.3187, 0.3117



Tritanopia

48.5087, 0.2577, 0.3085

Trichromacy



Original Color

48.3790, 0.2675, 0.3430

Protanomaly

47.3432, 0.2986, 0.3370

Deuteranomaly

47.1174, 0.2967, 0.3211

Tritanomaly

48.4113, 0.2613, 0.3206

Monochromacy



Original Color

48.3790, 0.2675, 0.3430

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3304, 0.2936, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3790, 0.2675, 0.3430 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(125, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 188)  
}
```

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(125, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 188) }
```

Border

The CSS property to change the border of an element to Yxy 48.3790, 0.2675, 0.3430 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(125, 198, 188) }
```

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

```
.border{ border-color:rgb(125, 198, 188) }
```

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

Here you see how a box with a 4 pixel rgb(125, 198, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3790, 0.2675, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 188) }
```

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

```
.background{ background-color: rgb(125,  
198, 188) }
```

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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