

Converting Colors

Yxy(48.8694, 0.2710, 0.3662)

Have a look what the booklet for
Yxy(48.8694, 0.2710, 0.3662)
contains.

Yxy(48.6898, 0.2705, 0.3652)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6898, 0.2705, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	75C9B0
RGB	117, 201, 176
RGB Percent	46%, 79%, 69%
CMY	0.5410, 0.2118, 0.3098
CMYK	0.42, 0.00, 0.12, 0.21
HSL	162°, 44%, 62%
HSV	162°, 42%, 79%
XYZ	36.0640, 48.6898, 48.5698
YIQ	173.0340, -42.0390, -25.5830

Conversions

Conversions Part 2

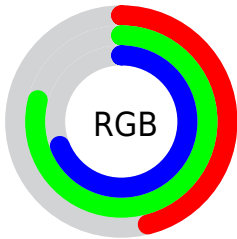
Format	Color
RYB	117, 166, 201
Decimal	7719344
CIELab	75.26, -31.38, 4.53
CIElCh	75, 31.700, 171.791
Yxy	48.6898, 0.2705, 0.3652
Android (android.graphics.Color)	4285909424 (0xFF75C9B0)
YUV	173.0340, 1.4622, -49.1418
Hunter-Lab	69.7781, -29.8558, 7.5752

Details

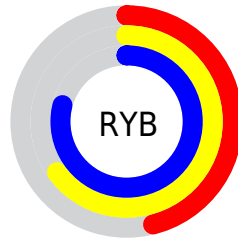
The Yxy color **48.6898, 0.2705, 0.3652** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1066, 0.3865, 0.2965**, and the grayscale version is **41.8227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2304, 0.2778, 0.3545**, and **23.3468, 0.2584, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **47.2132, 0.2631, 0.3756**, and if you desaturate by 10%, it is **50.4797, 0.2793, 0.3554**.

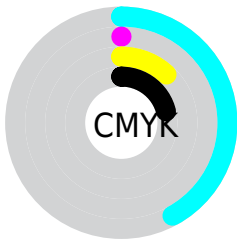
Distribution



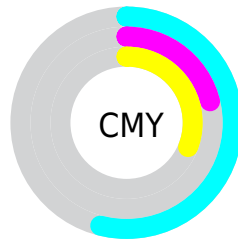
- Red (46%)
- Green (79%)
- Blue (69%)



- Red (46%)
- Yellow (65%)
- Blue (79%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)





- Cyan (54%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6898, 0.2705, 0.3652 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 48.6898, 0.2705, 0.3652 by changing the saturation by 10% instead.


 48.6898, 0.2705,
0.3652


 48.6898, 0.2705,
0.3652


381.5199, 0.2916,
0.3469


 34.3735, 0.2653,
0.3698


 88.2306, 0.2781,
0.3585

 23.1807, 0.2585,
0.3758


 114.2238, 0.2810,
0.3560

 14.7270, 0.2496,
0.3839

 144.8781, 0.2834,
0.3539

 8.6280, 0.2373,
0.3952

180.5779, 0.2855,
0.3521

 4.4993, 0.2190,
0.4124

221.7076, 0.2873,
0.3505

 1.9566, 0.1894,
0.4413

268.6515, 0.2889,

 0.5821, 0.0000,

0.3492

0.6472

321.7942, 0.2903,
0.3480

0.0000, 0.0000,
0.0000

48.6898, 0.2705,
0.3652

48.6898, 0.2705,
0.3652

47.2132, 0.2631,
0.3756

50.4797, 0.2793,
0.3554

46.0247, 0.2573,
0.3865

52.5947, 0.2891,
0.3462

45.1043, 0.2534,
0.3978


55.0532, 0.2997,
0.3379

44.4274, 0.2515,
0.4091

57.8704, 0.3107,
0.3303


43.9642, 0.2515,
0.4204

61.0607, 0.3220,
0.3234

 43.6989, 0.2527,
0.4295

 64.6375, 0.3334,
0.3174

 68.0882, 0.3425,
0.3119

 68.4071, 0.3379,
0.3059

 68.7375, 0.3334,
0.3000

Harmonies

Analogous

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



48.6898, 0.3110, 0.3982



48.6898, 0.2705, 0.3652



48.6898, 0.2424, 0.3221

Triad

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



48.6898, 0.2705, 0.3652



48.6898, 0.2690, 0.2591



48.6898, 0.4001, 0.3638

Complementary

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



48.6898, 0.2705, 0.3652



27.1066, 0.3865, 0.2965

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.



48.6898, 0.3879, 0.3287



48.6898, 0.2705, 0.3652



48.6898, 0.3096, 0.2709

Square

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



48.6898, 0.2705, 0.3652



48.6898, 0.2418, 0.2634



48.6898, 0.3538, 0.2957



48.6898, 0.3869, 0.3933

Rectangle

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



48.6898, 0.2705, 0.3652



48.6898, 0.2336, 0.2960



48.6898, 0.3538, 0.2957



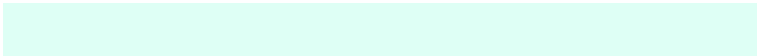
48.6898, 0.3989, 0.3523

Sweetspot

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



48.6918, 0.2705, 0.3652



93.6263, 0.2981, 0.3390



48.8290, 0.3252, 0.4499



19.8311, 0.2957, 0.3408



0.0000, 0.0000, 0.0000



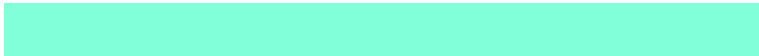
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.6918, 0.2705, 0.3652



81.0818, 0.2638, 0.3745



42.3699, 0.2523, 0.3048



12.0117, 0.3023, 0.3360



27.4941, 0.2522, 0.4279



1.3142, 0.2458, 0.4047

Inverse Universe

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



27.1066, 0.3865, 0.2965



39.3020, 0.4113, 0.2900



30.7092, 0.4097, 0.3514



10.6881, 0.3244, 0.3221



8.0261, 0.5747, 0.2940



0.3930, 0.5139, 0.2605

Previews

White Background



This preview shows how the Yxy color 48.6898, 0.2705, 0.3652 looks on a white background.

Color Contrast Check

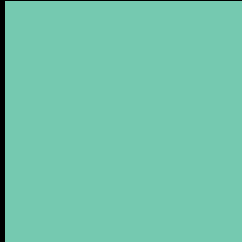
Large Text (above 18pt) WCAG AA × Fail

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 48.6898, 0.2705, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

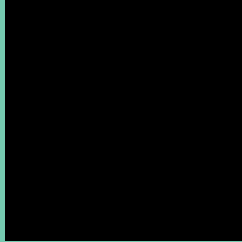
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

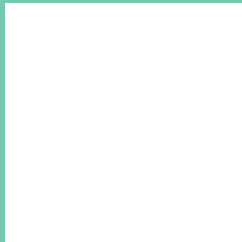
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6898, 0.2705, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 48.6898, 0.2705, 0.3652.



This preview shows how white text looks on a background with the Yxy color 48.6898, 0.2705, 0.3652.

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

48.6898, 0.2705, 0.3652

Protanopia

48.2775, 0.3333, 0.3509

Deuteranopia

47.8735, 0.3323, 0.3254



Tritanopia

48.6689, 0.2539, 0.3071

Trichromacy



Original Color

48.6898, 0.2705, 0.3652

Protanomaly

47.7285, 0.3074, 0.3562

Deuteranomaly

47.1431, 0.3065, 0.3383

Tritanomaly

48.7226, 0.2599, 0.3275

Monochromacy



Original Color

48.6898, 0.2705, 0.3652

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6953, 0.2949, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6898, 0.2705, 0.3652 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(117, 201, 176)` looks like.

```
.text, #text, p{  
    color:rgb(117, 201, 176)  
}
```

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(117, 201, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.6898, 0.2705, 0.3652 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(117, 201, 176) }
```

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

```
.border{ border-color:rgb(117, 201, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 201, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 176);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6898, 0.2705, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 176) }
```

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

```
.background{ background-color: rgb(117,  
201, 176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor