

Converting Colors

$Yxy(45.4606, 0.2699, 0.3570)$

Have a look what the booklet for
Yxy(45.4606, 0.2699, 0.3570)
contains.

Yxy(45.4606, 0.2699, 0.3570)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.4606, 0.2699, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	75C2AF
RGB	117, 194, 175
RGB Percent	46%, 76%, 69%
CMY	0.5410, 0.2392, 0.3138
CMYK	0.40, 0.00, 0.10, 0.24
HSL	165°, 39%, 61%
HSV	165°, 40%, 76%
XYZ	34.3692, 45.4606, 47.5108
YIQ	168.8110, -39.7930, -22.2330

Conversions

Conversions Part 2

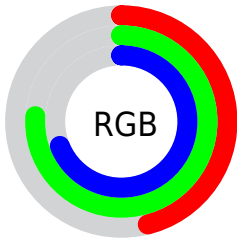
Format	Color
RYB	117, 161, 194
Decimal	7717551
CIELab	73.19, -28.24, 2.09
CIELCh	73, 28.318, 175.773
Yxy	45.4606, 0.2699, 0.3570
Android (android.graphics.Color)	4285907631 (0xFF75C2AF)
YUV	168.8110, 3.0512, -45.4382
Hunter-Lab	67.4245, -27.0035, 5.4183

Details

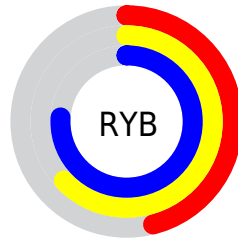
The Yxy color $45.4606, 0.2699, 0.3570$ is a light color, and the websafe version is hex $66CCCC$. A complement of this color would be $25.9834, 0.3861, 0.3034$, and the grayscale version is $39.5831, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4782, 0.2779, 0.3526$, and $21.2430, 0.2574, 0.3644$ is the 20% darker color. If you saturate the color by 10%, you get $44.0692, 0.2617, 0.3654$, and if you desaturate by 10%, it is $47.1408, 0.2794, 0.3491$.

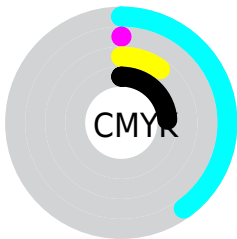
Distribution



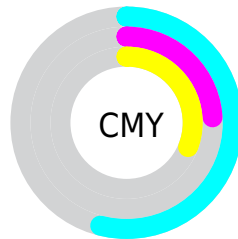
- Red (46%)
- Green (76%)
- Blue (69%)



- Red (46%)
- Yellow (63%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)





- Cyan (54%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4606, 0.2699, 0.3570 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 45.4606, 0.2699, 0.3570 by changing the saturation by 10% instead.


 45.4606, 0.2699,
0.3570


 45.4606, 0.2699,
0.3570


368.6358, 0.2914,
0.3428


 31.8204, 0.2645,
0.3606


 83.4112, 0.2777,
0.3518

 21.2243, 0.2576,
0.3652


 108.4903, 0.2807,
0.3499

 13.2881, 0.2483,
0.3715


 138.1512, 0.2831,
0.3482

 7.6272, 0.2354,
0.3803

172.7782, 0.2853,
0.3468

 3.8574, 0.2162,
0.3937

212.7558, 0.2871,
0.3456

 1.5941, 0.1829,
0.4171

258.4683, 0.2887,

 0.3536, 0.0000,

0.3446

0.5966

310.3002, 0.2901,
0.3437

0.0000, 0.0000,
0.0000

45.4606, 0.2699,
0.3570

45.4606, 0.2699,
0.3570

44.0692, 0.2617,
0.3654

47.1408, 0.2794,
0.3491

42.9438, 0.2552,
0.3742

49.1203, 0.2900,
0.3417

42.0669, 0.2504,
0.3833

51.4156, 0.3013,
0.3349

41.4164, 0.2476,
0.3925


54.0404, 0.3131,
0.3288


40.9664, 0.2467,
0.4016

57.0077, 0.3252,
0.3233

 40.6687, 0.2475,
0.4107

 60.3296, 0.3373,
0.3184

 40.6595, 0.2475,
0.4110

 64.0179, 0.3493,
0.3141

 64.6636, 0.3472,
0.3093

 64.9112, 0.3433,
0.3045

Harmonies

Analogous

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



45.4606, 0.3061, 0.3889



45.4606, 0.2699, 0.3570



45.4606, 0.2459, 0.3179

Triad

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



45.4606, 0.2699, 0.3570



45.4606, 0.2771, 0.2652



45.4606, 0.3923, 0.3654

Complementary

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



45.4606, 0.2699, 0.3570



25.9834, 0.3861, 0.3034

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.



45.4606, 0.3841, 0.3333



45.4606, 0.2699, 0.3570



45.4606, 0.3154, 0.2779

Square

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



45.4606, 0.2699, 0.3570



45.4606, 0.2500, 0.2673



45.4606, 0.3553, 0.3022



45.4606, 0.3776, 0.3909

Rectangle

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



45.4606, 0.2699, 0.3570



45.4606, 0.2393, 0.2949



45.4606, 0.3553, 0.3022



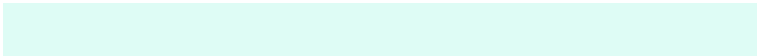
45.4606, 0.3922, 0.3550

Sweetspot

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



45.4624, 0.2699, 0.3570



92.0484, 0.2984, 0.3366



45.1265, 0.3217, 0.4439



20.0331, 0.2969, 0.3375



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.



45.4624, 0.2699, 0.3570



80.0520, 0.2624, 0.3646



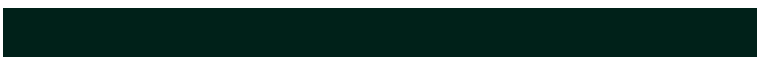
38.2476, 0.2542, 0.3004



11.3845, 0.3016, 0.3348



26.7468, 0.2472, 0.4098



1.1661, 0.2415, 0.3895

Inverse Universe

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



25.9834, 0.3861, 0.3034



39.6669, 0.4124, 0.2979



30.4444, 0.4005, 0.3554



10.1178, 0.3251, 0.3233



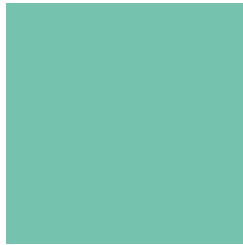
7.6919, 0.5914, 0.3032



0.3438, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 45.4606, 0.2699, 0.3570 looks on a white background.

Color Contrast Check

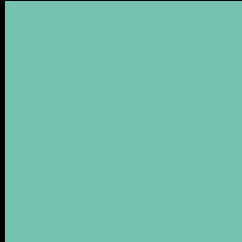
Large Text (above 18pt) WCAG AA × Fail

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 45.4606, 0.2699, 0.3570 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

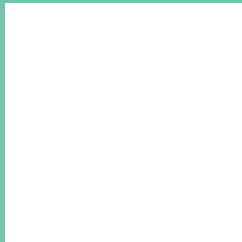
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4606, 0.2699, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 45.4606, 0.2699, 0.3570.



This preview shows how white text looks on a background with the Yxy color 45.4606, 0.2699, 0.3570.

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

45.4606, 0.2699, 0.3570

Protanopia

44.9083, 0.3288, 0.3449

Deuteranopia

44.8776, 0.3284, 0.3214



Tritanopia

45.5947, 0.2559, 0.3080

Trichromacy



Original Color

45.4606, 0.2699, 0.3570

Protanomaly

44.6191, 0.3043, 0.3499

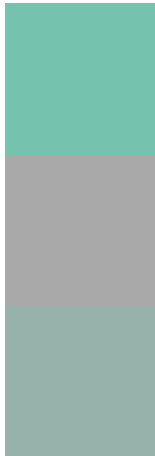
Deuteranomaly

44.4776, 0.3032, 0.3331

Tritanomaly

45.2942, 0.2608, 0.3246

Monochromacy



Original Color

45.4606, 0.2699, 0.3570

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2651, 0.2945, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4606, 0.2699, 0.3570 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, 194, 175)` looks like.

```
.text, #text, p{  
    color:rgb(117, 194, 175)  
}
```

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, 194, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 194, 175) }
```

Border

The CSS property to change the border of an element to Yxy 45.4606, 0.2699, 0.3570 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, 194, 175) }
```

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

```
.border{ border-color:rgb(117, 194, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 194, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 194, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 194, 175);  
box-shadow:4px 4px 4px 4px rgb(117, 194,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4606, 0.2699, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 194, 175) }
```

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

```
.background{ background-color: rgb(117,  
194, 175) }
```

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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