

Converting Colors

$Y_{xy}(49.7719, 0.2694, 0.3654)$

Have a look what the booklet for
Yxy(49.7719, 0.2694, 0.3654)
contains.

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Color

Yxy(49.6392, 0.2691, 0.3650)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 74CBB2 |
| RGB | 116, 203, 178 |
| RGB Percent | 45%, 80%, 70% |
| CMY | 0.5449, 0.2039, 0.3020 |
| CMYK | 0.43, 0.00, 0.12, 0.20 |
| HSL | 163°, 46%, 63% |
| HSV | 163°, 43%, 80% |
| XYZ | 36.5970, 49.6392, 49.7616 |
| YIQ | 174.1370, -43.8270, -26.2190 |

Conversions

Conversions Part 2

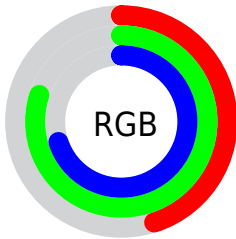
| Format | Color |
|-------------------------------------|--|
| RYB | 116, 167, 203 |
| Decimal | 7654322 |
| CIELab | 75.85, -32.14, 4.30 |
| CIELCh | 76, 32.428, 172.375 |
| Yxy | 49.6392, 0.2691, 0.3650 |
| Android (android.graphics.Color) | 4285844402 (0xFF74CBB2) |
| YUV | 174.1370, 1.9045, -50.9861 |
| Hunter-Lab | 70.4551, -30.5768, 7.4427 |

Details

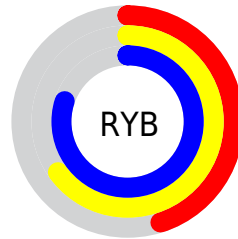
The Yxy color **49.6392, 0.2691, 0.3650** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.1229, 0.3905, 0.2968**, and the grayscale version is **42.4140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2312, 0.2763, 0.3523**, and **23.6211, 0.2569, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **48.1684, 0.2618, 0.3751**, and if you desaturate by 10%, it is **51.4279, 0.2778, 0.3554**.

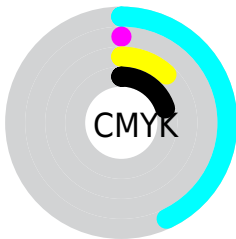
Distribution



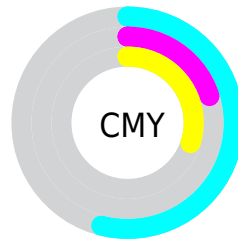
- Red (45%)
- Green (80%)
- Blue (70%)



- Red (45%)
- Yellow (65%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)





- Cyan (54%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6392, 0.2691, 0.3650 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 49.6392, 0.2691, 0.3650 by changing the saturation by 10% instead.


 49.6392, 0.2691,
0.3650

 49.6392, 0.2691,
0.3650


385.2533, 0.2908,
0.3469


 35.1268, 0.2637,
0.3696


 89.6401, 0.2769,
0.3584

 23.7606, 0.2569,
0.3755


 115.8973, 0.2799,
0.3559

 15.1561, 0.2478,
0.3833


 146.8383, 0.2824,
0.3538

 8.9290, 0.2353,
0.3944

182.8475, 0.2846,
0.3520

 4.6949, 0.2168,
0.4110

224.3091, 0.2864,
0.3505

 2.0694, 0.1873,
0.4387

271.6078, 0.2880,

 0.6473, 0.0000,

0.3491

0.6157

325.1277, 0.2895,
0.3479

0.0000, 0.0000,
0.0000

49.6392, 0.2691,
0.3650

49.6392, 0.2691,
0.3650

48.1684, 0.2618,
0.3751

51.4279, 0.2778,
0.3554

46.9895, 0.2561,
0.3857

53.5469, 0.2877,
0.3466

46.0820, 0.2523,
0.3965

56.0151, 0.2983,
0.3384

45.4198, 0.2505,
0.4074

58.8482, 0.3095,
0.3310


44.9721, 0.2507,
0.4182


62.0609, 0.3209,
0.3243

 44.7432, 0.2517,
0.4259

 65.6672, 0.3325,
0.3184

 69.0787, 0.3414,
0.3130

 69.3916, 0.3370,
0.3071

 69.7153, 0.3327,
0.3014

Harmonies

Analogous

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



49.6392, 0.3101, 0.3989



49.6392, 0.2691, 0.3650



49.6392, 0.2410, 0.3211

Triad

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



49.6392, 0.2691, 0.3650



49.6392, 0.2690, 0.2581



49.6392, 0.4015, 0.3649

Complementary

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



49.6392, 0.2691, 0.3650



27.1229, 0.3905, 0.2968

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.



49.6392, 0.3896, 0.3293



49.6392, 0.2691, 0.3650



49.6392, 0.3104, 0.2704

Square

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



49.6392, 0.2691, 0.3650



49.6392, 0.2411, 0.2621



49.6392, 0.3553, 0.2957



49.6392, 0.3876, 0.3948

Rectangle

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



49.6392, 0.2691, 0.3650



49.6392, 0.2323, 0.2947



49.6392, 0.3553, 0.2957



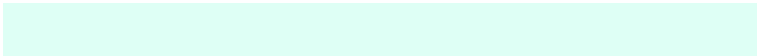
49.6392, 0.4004, 0.3532

Sweetspot

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



49.6412, 0.2691, 0.3650



93.6468, 0.2979, 0.3387



49.7359, 0.3254, 0.4535



19.8362, 0.2955, 0.3404



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.



49.6412, 0.2691, 0.3650



80.9164, 0.2625, 0.3739



42.9810, 0.2509, 0.3040



12.6699, 0.3021, 0.3358



28.4911, 0.2512, 0.4244



1.4825, 0.2454, 0.4034

Inverse Universe

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



27.1229, 0.3905, 0.2968



38.5363, 0.4159, 0.2907



30.8534, 0.4133, 0.3519



11.2659, 0.3246, 0.3224



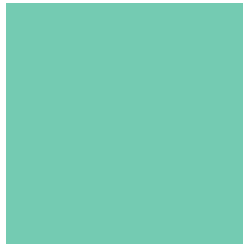
8.2908, 0.5786, 0.2961



0.4410, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 49.6392, 0.2691, 0.3650 looks on a white background.

Color Contrast Check

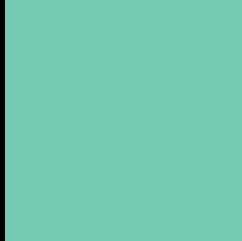
Large Text (above 18pt) WCAG AA × Fail

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 49.6392, 0.2691, 0.3650 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

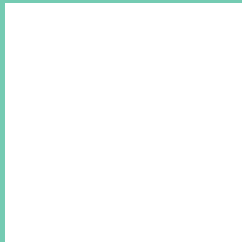
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6392, 0.2691, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 49.6392, 0.2691, 0.3650.

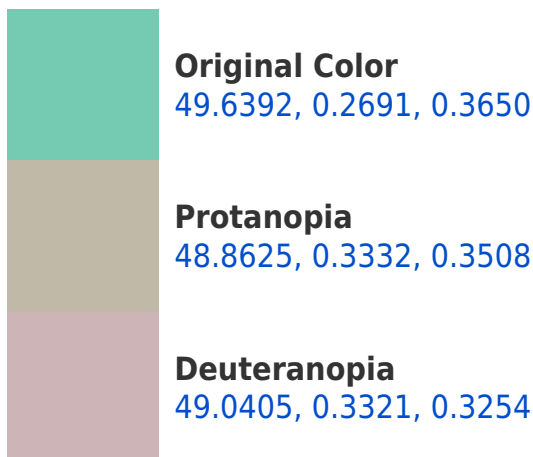


This preview shows how white text looks on a background with the Yxy color 49.6392, 0.2691, 0.3650.

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

49.6032, 0.2527, 0.3073

Trichromacy



Original Color

49.6392, 0.2691, 0.3650

Protanomaly

48.6772, 0.3058, 0.3561

Deuteranomaly

48.1869, 0.3057, 0.3382

Tritanomaly

49.6632, 0.2586, 0.3275

Monochromacy



Original Color

49.6392, 0.2691, 0.3650

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.5654, 0.2942, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6392, 0.2691, 0.3650 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(116, 203, 178)` looks like.

```
.text, #text, p{  
    color:rgb(116, 203, 178)  
}
```

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(116, 203, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 203, 178) }
```

Border

The CSS property to change the border of an element to Yxy 49.6392, 0.2691, 0.3650 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(116, 203, 178) }
```

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

```
.border{ border-color:rgb(116, 203, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 203, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 203, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 203, 178);  
box-shadow:4px 4px 4px 4px rgb(116, 203,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6392, 0.2691, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 203, 178) }
```

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

```
.background{ background-color: rgb(116,  
203, 178) }
```

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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