

Converting Colors

$Yxy(45.2338, 0.2689, 0.3437)$

Have a look what the booklet for
Yxy(45.2338, 0.2689, 0.3437)
contains.

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Color

Yxy(45.2876, 0.2689, 0.3434)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7BC0B6 |
| RGB | 123, 192, 182 |
| RGB Percent | 48%, 75%, 71% |
| CMY | 0.5176, 0.2471, 0.2863 |
| CMYK | 0.36, 0.00, 0.05, 0.25 |
| HSL | 171°, 35%, 62% |
| HSV | 171°, 36%, 75% |
| XYZ | 35.4625, 45.2876, 51.1299 |
| YIQ | 170.2290, -37.9140, -17.7380 |

Conversions

Conversions Part 2

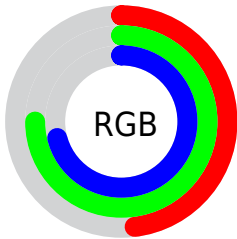
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 123, 160, 192 |
| Decimal | 8110262 |
| CIELab | 73.08, -24.02, -1.87 |
| CIElCh | 73, 24.088, 184.443 |
| Yxy | 45.2876, 0.2689, 0.3434 |
| Android (android.graphics.Color) | 4286300342 (0xFF7BC0B6) |
| YUV | 170.2290, 5.8031, -41.4198 |
| Hunter-Lab | 67.2961, -23.7052, 2.0602 |

Details

The Yxy color **45.2876, 0.2689, 0.3434** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0688, 0.3853, 0.3155**, and the grayscale version is **40.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3894, 0.2768, 0.3411**, and **21.0640, 0.2568, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **43.8955, 0.2593, 0.3481**, and if you desaturate by 10%, it is **46.9633, 0.2799, 0.3390**.

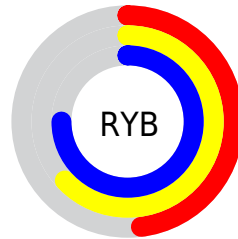
Distribution



Red (48%)

Green (75%)

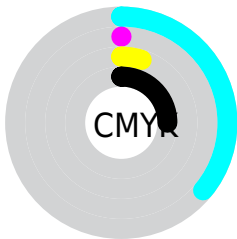
Blue (71%)



Red (48%)

Yellow (63%)

Blue (75%)

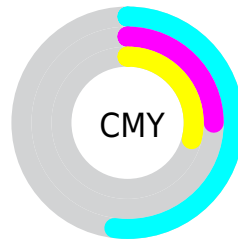


Cyan (36%)

Magenta (0%)

Yellow (5%)

Black (25%)



Cyan (52%)


Magenta (25%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2876, 0.2689, 0.3434 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 45.2876, 0.2689, 0.3434 by changing the saturation by 10% instead.


 45.2876, 0.2689,
0.3434


 45.2876, 0.2689,
0.3434


367.9371, 0.2908,
0.3363


 31.6840, 0.2635,
0.3451


 83.1518, 0.2768,
0.3409

 21.1203, 0.2565,
0.3473


 108.1812, 0.2798,
0.3399

 13.2119, 0.2473,
0.3502


 137.7881, 0.2823,
0.3391

 7.5747, 0.2344,
0.3540


172.3567, 0.2845,
0.3384

 3.8240, 0.2154,
0.3596

212.2715, 0.2864,
0.3378

 1.5756, 0.1846,
0.3681

257.9169, 0.2880,

 0.3411, 0.0000,

0.3372

0.4046

309.6773, 0.2895,
0.3368

0.0000, 0.0000,
0.0000

45.2876, 0.2689,
0.3434

45.2876, 0.2689,
0.3434

43.8955, 0.2593,
0.3481

46.9633, 0.2799,
0.3390

42.7652, 0.2512,
0.3530

48.9322, 0.2920,
0.3349

41.8806, 0.2450,
0.3580


51.2100, 0.3048,
0.3311


41.2214, 0.2407,
0.3631


53.8097, 0.3182,
0.3276


40.7639, 0.2383,
0.3682

56.7436, 0.3319,
0.3246


 40.4785, 0.2376,
0.3733

 60.0234, 0.3456,
0.3218

 40.3869, 0.2376,
0.3753

 63.1998, 0.3572,
0.3193

 63.3324, 0.3549,
0.3165

 63.4673, 0.3526,
0.3136

Harmonies

Analogous

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



45.2876, 0.2977, 0.3731



45.2876, 0.2689, 0.3434



45.2876, 0.2520, 0.3110

Triad

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



45.2876, 0.2689, 0.3434



45.2876, 0.2912, 0.2760



45.2876, 0.3788, 0.3678

Complementary

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



45.2876, 0.2689, 0.3434



27.0688, 0.3853, 0.3155

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.



45.2876, 0.3774, 0.3413



45.2876, 0.2689, 0.3434



45.2876, 0.3253, 0.2902

Square

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



45.2876, 0.2689, 0.3434



45.2876, 0.2644, 0.2741



45.2876, 0.3574, 0.3135



45.2876, 0.3616, 0.3860

Rectangle

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



45.2876, 0.2689, 0.3434



45.2876, 0.2492, 0.2931



45.2876, 0.3574, 0.3135



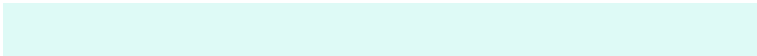
45.2876, 0.3805, 0.3595

Sweetspot

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



45.2894, 0.2689, 0.3434



90.5524, 0.2980, 0.3330



44.1463, 0.3157, 0.4334



19.3072, 0.2962, 0.3335



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



45.2894, 0.2689, 0.3434



80.0585, 0.2613, 0.3470



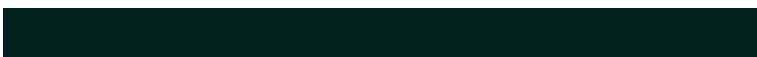
35.9692, 0.2579, 0.2930



11.4025, 0.3003, 0.3323



27.1844, 0.2374, 0.3747



1.1816, 0.2343, 0.3634

Inverse Universe

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



27.0688, 0.3853, 0.3155



42.2527, 0.4092, 0.3126



33.5534, 0.3861, 0.3621



10.1011, 0.3267, 0.3257



7.6037, 0.6186, 0.3181



0.3363, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 45.2876, 0.2689, 0.3434 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 45.2876, 0.2689, 0.3434 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

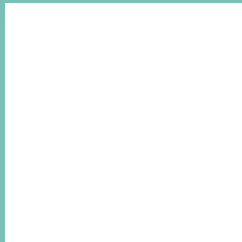
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2876, 0.2689, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 45.2876, 0.2689, 0.3434.

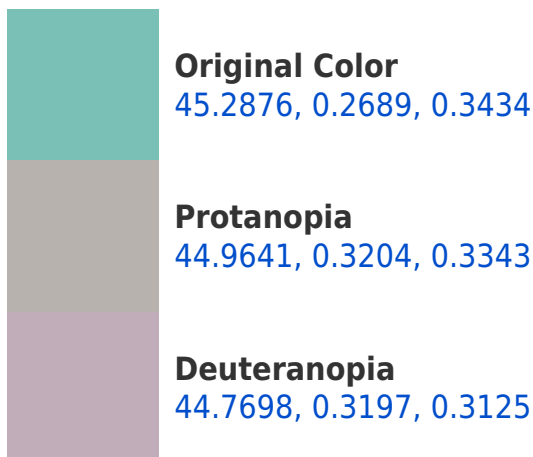


This preview shows how white text looks on a background with the Yxy color 45.2876, 0.2689, 0.3434.

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

45.3440, 0.2581, 0.3080

Trichromacy



Original Color

45.2876, 0.2689, 0.3434

Protanomaly

44.6184, 0.2991, 0.3372

Deuteranomaly

44.4701, 0.2987, 0.3222

Tritanomaly

45.2481, 0.2618, 0.3204

Monochromacy



Original Color

45.2876, 0.2689, 0.3434

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6691, 0.2947, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2876, 0.2689, 0.3434 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(123, 192, 182)` looks like.

```
.text, #text, p{  
    color:rgb(123, 192, 182)  
}
```

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(123, 192, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 192, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.2876, 0.2689, 0.3434 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(123, 192, 182) }
```

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

```
.border{ border-color:rgb(123, 192, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 192, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 192, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 192, 182); box-shadow:4px 4px 4px 4px rgb(123, 192, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2876, 0.2689, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 192, 182) }
```

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

```
.background{ background-color: rgb(123,  
192, 182) }
```

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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