

Converting Colors

Yxy(50.3684, 0.2562, 0.3354)

Have a look what the booklet for
Yxy(50.3684, 0.2562, 0.3354)
contains.

Yxy(50.3665, 0.2566, 0.3358)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3665, 0.2566, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	72CBC6
RGB	114, 203, 198
RGB Percent	45%, 80%, 78%
CMY	0.5531, 0.2039, 0.2234
CMYK	0.44, 0.00, 0.02, 0.20
HSL	177°, 46%, 62%
HSV	177°, 44%, 80%
XYZ	38.4873, 50.3665, 61.1358
YIQ	175.8190, -51.4390, -20.4230

Conversions

Conversions Part 2

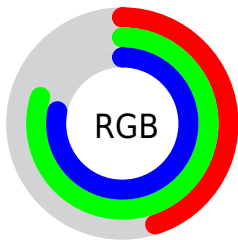
Format	Color
RYB	114, 160, 203
Decimal	7523270
CIELab	76.29, -27.91, -5.87
CIElCh	76, 28.518, 191.878
Yxy	50.3665, 0.2566, 0.3358
Android (android.graphics.Color)	4285713350 (0xFF72CBC6)
YUV	175.8190, 10.9352, -54.2153
Hunter-Lab	70.9694, -27.3942, -1.3961

Details

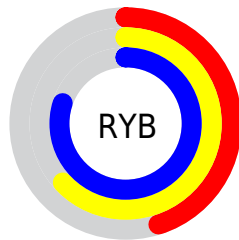
The Yxy color **50.3665, 0.2566, 0.3358** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.0550, 0.4209, 0.3229**, and the grayscale version is **43.2766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **24.3493, 0.2421, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **49.1032, 0.2475, 0.3376**, and if you desaturate by 10%, it is **51.9362, 0.2673, 0.3341**.

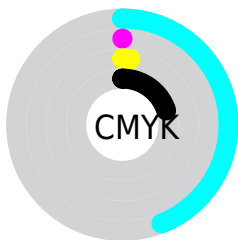
Distribution



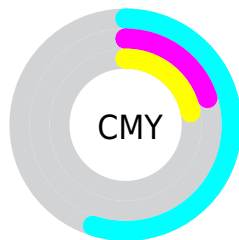
- Red (45%)
- Green (80%)
- Blue (78%)



- Red (45%)
- Yellow (63%)
- Blue (80%)



- Cyan (44%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (55%)
- Magenta (20%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3665, 0.2566, 0.3358 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 50.3665, 0.2566, 0.3358 by changing the saturation by 10% instead.

 50.3665, 0.2566,
0.3358


 50.3665, 0.2566,
0.3358


388.0975, 0.2839,
0.3329


 35.7047, 0.2500,
0.3364


 90.7177, 0.2663,
0.3349

 24.2062, 0.2417,
0.3370


 117.1758, 0.2700,
0.3345

 15.4867, 0.2309,
0.3377


 148.3349, 0.2732,
0.3341

 9.1616, 0.2164,
0.3384

184.5792, 0.2759,
0.3338

 4.8468, 0.1957,
0.3389

226.2932, 0.2783,
0.3336

 2.1576, 0.1643,
0.3382

273.8614, 0.2804,

 0.6967, 0.0000,

0.3333

0.3705

327.6680, 0.2822,
0.3331

0.0000, 0.0000,
0.0000

50.3665, 0.2566,
0.3358

50.3665, 0.2566,
0.3358

49.1032, 0.2475,
0.3376

51.9362, 0.2673,
0.3341

48.1201, 0.2403,
0.3394

53.8247, 0.2795,
0.3324

47.3966, 0.2350,
0.3413


56.0510, 0.2928,
0.3309

46.9064, 0.2316,
0.3432

58.6306, 0.3071,
0.3295


46.6178, 0.2299,
0.3450


61.5784, 0.3219,
0.3282

 46.5054, 0.2295,
0.3461

 64.9083, 0.3370,
0.3271

 68.4297, 0.3513,
0.3261

 68.4850, 0.3505,
0.3249

 68.5408, 0.3496,
0.3237

Harmonies

Analogous

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



50.3665, 0.2864, 0.3723



50.3665, 0.2566, 0.3358



50.3665, 0.2418, 0.2999

Triad

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



50.3665, 0.2566, 0.3358



50.3665, 0.2972, 0.2718



50.3665, 0.3850, 0.3792

Complementary

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



50.3665, 0.2566, 0.3358



26.0550, 0.4209, 0.3229

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.



50.3665, 0.3893, 0.3504



50.3665, 0.2566, 0.3358



50.3665, 0.3368, 0.2907

Square

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



50.3665, 0.2566, 0.3358



50.3665, 0.2641, 0.2659



50.3665, 0.3713, 0.3187



50.3665, 0.3608, 0.3969

Rectangle

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



50.3665, 0.2566, 0.3358



50.3665, 0.2416, 0.2818



50.3665, 0.3713, 0.3187



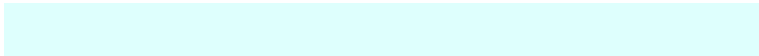
50.3665, 0.3889, 0.3704

Sweetspot

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



50.3685, 0.2566, 0.3358



94.1271, 0.2938, 0.3308



47.9150, 0.3104, 0.4629



19.9559, 0.2907, 0.3311



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.



50.3685, 0.2566, 0.3358



82.2453, 0.2477, 0.3376



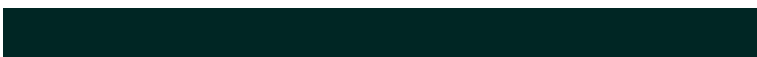
34.5896, 0.2442, 0.2719



12.7158, 0.2991, 0.3303



29.5984, 0.2294, 0.3459



1.5303, 0.2284, 0.3423

Inverse Universe

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



26.0550, 0.4209, 0.3229



36.1998, 0.4605, 0.3219



36.5470, 0.4042, 0.3790



11.2237, 0.3281, 0.3277



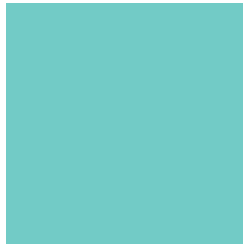
8.1003, 0.6334, 0.3263



0.4215, 0.6115, 0.3143

Previews

White Background



This preview shows how the Yxy color 50.3665, 0.2566, 0.3358 looks on a white background.

Color Contrast Check

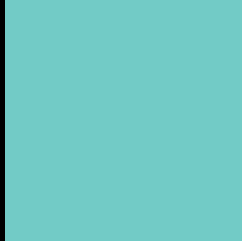
Large Text (above 18pt) WCAG AA × Fail

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 50.3665, 0.2566, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

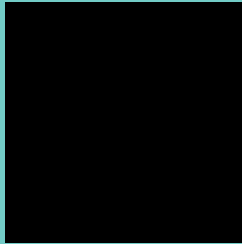
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

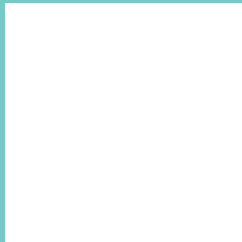
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3665, 0.2566, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 50.3665, 0.2566, 0.3358.

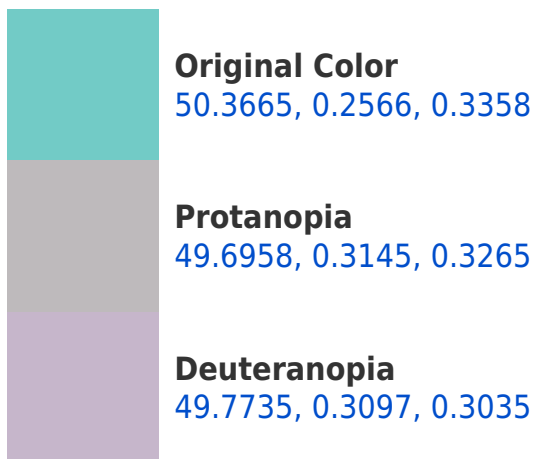


This preview shows how white text looks on a background with the Yxy color 50.3665, 0.2566, 0.3358.

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

50.1884, 0.2489, 0.3072

Trichromacy



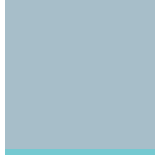
Original Color

50.3665, 0.2566, 0.3358



Protanomaly

49.1864, 0.2893, 0.3289



Deuteranomaly

49.2594, 0.2868, 0.3147



Tritanomaly

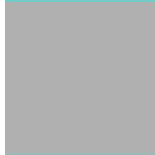
50.1586, 0.2518, 0.3179

Monochromacy



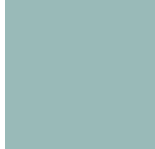
Original Color

50.3665, 0.2566, 0.3358



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.3508, 0.2878, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3665, 0.2566, 0.3358 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(114, 203, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 203, 198)  
}
```

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(114, 203, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 203, 198) }
```

Border

The CSS property to change the border of an element to Yxy 50.3665, 0.2566, 0.3358 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(114, 203, 198) }
```

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

```
.border{ border-color:rgb(114, 203, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 203, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 203, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 203, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 203,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3665, 0.2566, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 203, 198) }
```

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

```
.background{ background-color: rgb(114,  
203, 198) }
```

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