

Converting Colors

$Y_{xy}(45.7255, 0.2673, 0.3375)$

Have a look what the booklet for
Yxy(45.7255, 0.2673, 0.3375)
contains.

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Color

Yxy(45.6044, 0.2677, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	7DC0BA
RGB	125, 192, 186
RGB Percent	49%, 75%, 73%
CMY	0.5097, 0.2471, 0.2706
CMYK	0.35, 0.00, 0.03, 0.25
HSL	175°, 35%, 62%
HSV	175°, 35%, 75%
XYZ	36.1727, 45.6044, 53.3470
YIQ	171.2830, -38.0060, -16.0700

Conversions

Conversions Part 2

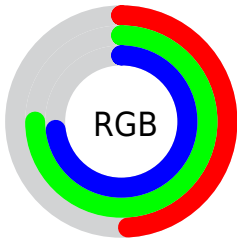
Format	Color
RYB	125, 160, 192
Decimal	8241338
CIELab	73.29, -22.52, -3.72
CIElCh	73, 22.827, 189.389
Yxy	45.6044, 0.2677, 0.3375
Android (android.graphics.Color)	4286431418 (0xFF7DC0BA)
YUV	171.2830, 7.2555, -40.5902
Hunter-Lab	67.5310, -22.5665, 0.4348

Details

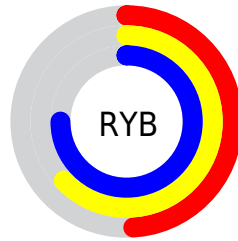
The Yxy color **45.6044, 0.2677, 0.3375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5215, 0.3869, 0.3210**, and the grayscale version is **40.8555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8655, 0.2758, 0.3366**, and **21.2481, 0.2551, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **44.2249, 0.2574, 0.3403**, and if you desaturate by 10%, it is **47.2677, 0.2794, 0.3348**.

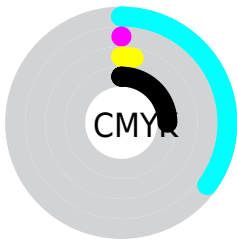
Distribution



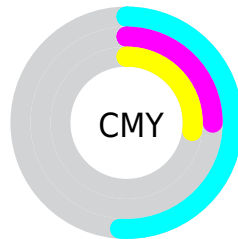
- Red (49%)
- Green (75%)
- Blue (73%)



- Red (49%)
- Yellow (63%)
- Blue (75%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)




- Cyan (51%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6044, 0.2677, 0.3375 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 45.6044, 0.2677, 0.3375 by changing the saturation by 10% instead.


 45.6044, 0.2677,
0.3375

 45.6044, 0.2677,
0.3375


369.2159, 0.2901,
0.3335

 31.9338, 0.2622,
0.3384


 83.6266, 0.2758,
0.3361

 21.3109, 0.2551,
0.3395


 108.7470, 0.2788,
0.3356

 13.3515, 0.2457,
0.3410


 138.4528, 0.2814,
0.3351

 7.6710, 0.2328,
0.3428

173.1283, 0.2836,
0.3347

 3.8852, 0.2138,
0.3451

213.1580, 0.2856,
0.3343

 1.6095, 0.1833,
0.3478

258.9262, 0.2873,

 0.3640, 0.0000,

0.3340

0.3566

310.8174, 0.2888,
0.3338

0.0000, 0.0000,
0.0000

45.6044, 0.2677,
0.3375

45.6044, 0.2677,
0.3375

44.2249, 0.2574,
0.3403

47.2677, 0.2794,
0.3348

43.1077, 0.2488,
0.3433

49.2243, 0.2922,
0.3323

42.2367, 0.2420,
0.3463

51.4897, 0.3058,
0.3300

41.5920, 0.2371,
0.3493

54.0769, 0.3201,
0.3280

41.1504, 0.2340,
0.3524

56.9982, 0.3346,
0.3261

■ 40.8837, 0.2328,
0.3554

■ 60.2650, 0.3492,
0.3244

■ 40.7856, 0.2325,
0.3569

■ 63.0381, 0.3600,
0.3229

■ 63.1180, 0.3586,
0.3211

■ 63.1988, 0.3572,
0.3193

Harmonies

Analogous

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



45.6044, 0.2936, 0.3666



45.6044, 0.2677, 0.3375



45.6044, 0.2539, 0.3075

Triad

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



45.6044, 0.2677, 0.3375



45.6044, 0.2975, 0.2801



45.6044, 0.3736, 0.3694

Complementary

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



45.6044, 0.2677, 0.3375



27.5215, 0.3869, 0.3210

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.



45.6044, 0.3753, 0.3452



45.6044, 0.2677, 0.3375



45.6044, 0.3301, 0.2953

Square

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



45.6044, 0.2677, 0.3375



45.6044, 0.2704, 0.2764



45.6044, 0.3591, 0.3186



45.6044, 0.3550, 0.3845

Rectangle

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



45.6044, 0.2677, 0.3375



45.6044, 0.2529, 0.2917



45.6044, 0.3591, 0.3186



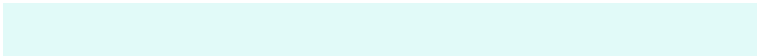
45.6044, 0.3762, 0.3620

Sweetspot

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



45.6062, 0.2677, 0.3375



91.0584, 0.2985, 0.3312



44.0641, 0.3130, 0.4306



19.4120, 0.2966, 0.3316



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.



45.6062, 0.2677, 0.3375



80.6440, 0.2596, 0.3397



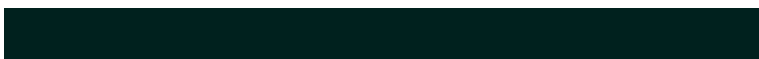
35.1551, 0.2588, 0.2891



11.4124, 0.2996, 0.3311



27.4506, 0.2324, 0.3565



1.1907, 0.2305, 0.3498

Inverse Universe

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



27.5215, 0.3869, 0.3210



42.8834, 0.4122, 0.3192



35.0857, 0.3818, 0.3656



10.0922, 0.3275, 0.3270



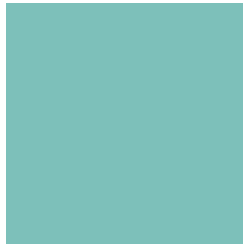
7.5736, 0.6286, 0.3237



0.3323, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 45.6044, 0.2677, 0.3375 looks on a white background.

Color Contrast Check

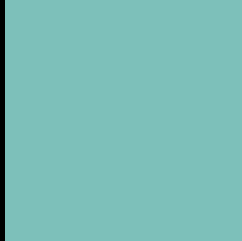
Large Text (above 18pt) WCAG AA × Fail

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 45.6044, 0.2677, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

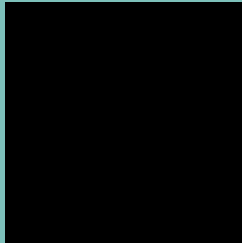
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

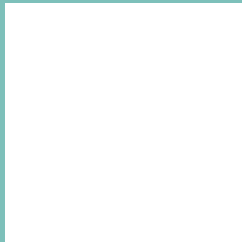
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6044, 0.2677, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 45.6044, 0.2677, 0.3375.

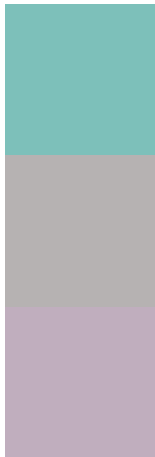


This preview shows how white text looks on a background with the Yxy color 45.6044, 0.2677, 0.3375.

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

45.6044, 0.2677, 0.3375

Protanopia

45.0002, 0.3162, 0.3290

Deuteranopia

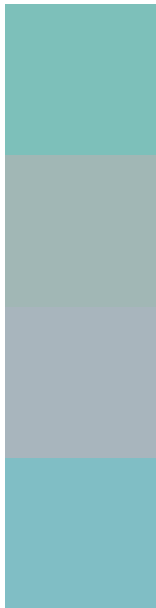
45.1963, 0.3154, 0.3088



Tritanopia

45.5007, 0.2593, 0.3081

Trichromacy



Original Color

45.6044, 0.2677, 0.3375

Protanomaly

44.7802, 0.2961, 0.3317

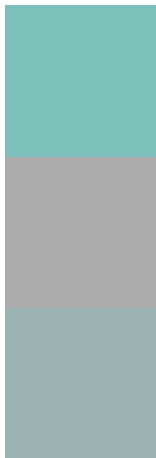
Deuteranomaly

45.0467, 0.2957, 0.3183

Tritanomaly

45.4473, 0.2625, 0.3190

Monochromacy



Original Color

45.6044, 0.2677, 0.3375

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2448, 0.2941, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6044, 0.2677, 0.3375 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(125, 192, 186)` looks like.

```
.text, #text, p{  
    color:rgb(125, 192, 186)  
}
```

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(125, 192, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 192, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.6044, 0.2677, 0.3375 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(125, 192, 186) }
```

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

```
.border{ border-color:rgb(125, 192, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 192, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 192, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 192, 186);  
box-shadow:4px 4px 4px 4px rgb(125, 192,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6044, 0.2677, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 192, 186) }
```

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

```
.background{ background-color: rgb(125,  
192, 186) }
```

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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