

Converting Colors

$Y_{xy}(45.4063, 0.2675, 0.3332)$

Have a look what the booklet for
Yxy(45.4063, 0.2675, 0.3332)
contains.

Yxy(45.4045, 0.2675, 0.3332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.4045, 0.2675, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	7FBFBC
RGB	127, 191, 188
RGB Percent	50%, 75%, 74%
CMY	0.5022, 0.2509, 0.2628
CMYK	0.34, 0.00, 0.02, 0.25
HSL	177°, 33%, 62%
HSV	177°, 34%, 75%
XYZ	36.4517, 45.4045, 54.4118
YIQ	171.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

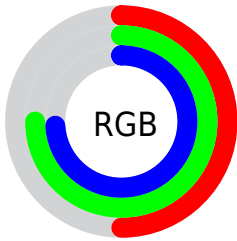
Format	Color
RYB	127, 160, 191
Decimal	8372156
CIELab	73.16, -21.03, -4.99
CIELCh	73, 21.613, 193.353
Yxy	45.4045, 0.2675, 0.3332
Android (android.graphics.Color)	4286562236 (0xFF7FBFBC)
YUV	171.5220, 8.1237, -39.0458
Hunter-Lab	67.3829, -21.3580, -0.7088

Details

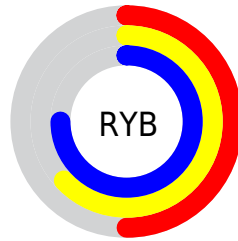
The Yxy color **45.4045, 0.2675, 0.3332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.8514, 0.3863, 0.3250**, and the grayscale version is **40.9670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6115, 0.2758, 0.3333**, and **21.0964, 0.2547, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **44.0381, 0.2567, 0.3346**, and if you desaturate by 10%, it is **47.0527, 0.2798, 0.3318**.

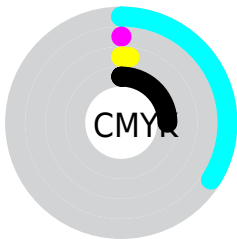
Distribution



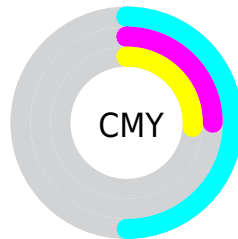
- Red (50%)
- Green (75%)
- Blue (74%)



- Red (50%)
- Yellow (63%)
- Blue (75%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)




- Cyan (50%)
- Magenta (25%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4045, 0.2675, 0.3332 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 45.4045, 0.2675, 0.3332 by changing the saturation by 10% instead.


 45.4045, 0.2675,
0.3332

 45.4045, 0.2675,
0.3332


368.4093, 0.2900,
0.3314


 31.7762, 0.2619,
0.3335


 83.3271, 0.2756,
0.3326

 21.1906, 0.2549,
0.3339


 108.3901, 0.2787,
0.3324

 13.2634, 0.2455,
0.3344


 138.0335, 0.2813,
0.3322

 7.6102, 0.2325,
0.3347

172.6416, 0.2835,
0.3320

 3.8465, 0.2135,
0.3349

212.5988, 0.2854,
0.3318

 1.5881, 0.1832,
0.3339

258.2896, 0.2871,

 0.3495, 0.0000,

0.3317

0.3239

310.0983, 0.2886,
0.3315

0.0000, 0.0000,
0.0000

45.4045, 0.2675,
0.3332

45.4045, 0.2675,
0.3332

44.0381, 0.2567,
0.3346

47.0527, 0.2798,
0.3318

42.9324, 0.2475,
0.3361

48.9919, 0.2932,
0.3306

42.0719, 0.2402,
0.3377


51.2373, 0.3075,
0.3294

41.4370, 0.2347,
0.3392


53.8016, 0.3224,
0.3283

41.0055, 0.2311,
0.3408


56.6968, 0.3376,
0.3274


 40.7505, 0.2293,
0.3423

 59.9343, 0.3529,
0.3265

 40.6458, 0.2287,
0.3433

 62.4379, 0.3633,
0.3257

 62.4786, 0.3626,
0.3248

 62.5197, 0.3618,
0.3239

Harmonies

Analogous

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



45.4045, 0.2909, 0.3613



45.4045, 0.2675, 0.3332



45.4045, 0.2561, 0.3054

Triad

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



45.4045, 0.2675, 0.3332



45.4045, 0.3023, 0.2839



45.4045, 0.3690, 0.3700

Complementary

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



45.4045, 0.2675, 0.3332



27.8514, 0.3863, 0.3250

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.



45.4045, 0.3729, 0.3478



45.4045, 0.2675, 0.3332



45.4045, 0.3333, 0.2996

Square

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



45.4045, 0.2675, 0.3332



45.4045, 0.2754, 0.2787



45.4045, 0.3596, 0.3224



45.4045, 0.3496, 0.3825

Rectangle

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



45.4045, 0.2675, 0.3332



45.4045, 0.2564, 0.2913



45.4045, 0.3596, 0.3224



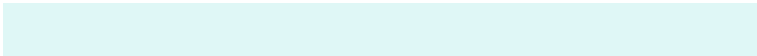
45.4045, 0.3722, 0.3634

Sweetspot

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



45.4063, 0.2675, 0.3332



89.0276, 0.2979, 0.3302



43.5564, 0.3106, 0.4269



19.4281, 0.2959, 0.3303



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.



45.4063, 0.2675, 0.3332



79.5213, 0.2597, 0.3342



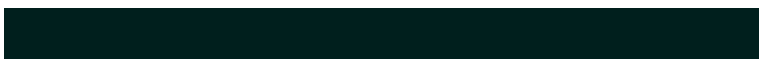
34.1736, 0.2602, 0.2859



10.8015, 0.2991, 0.3301



26.7101, 0.2286, 0.3431



1.0487, 0.2276, 0.3394

Inverse Universe

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



27.8514, 0.3863, 0.3250



43.4493, 0.4096, 0.3242



36.3097, 0.3770, 0.3683



9.5435, 0.3281, 0.3280



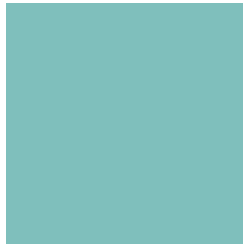
7.2956, 0.6341, 0.3267



0.2883, 0.6118, 0.3144

Previews

White Background



This preview shows how the Yxy color 45.4045, 0.2675, 0.3332 looks on a white background.

Color Contrast Check

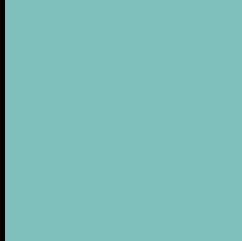
Large Text (above 18pt) WCAG AA × Fail

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 45.4045, 0.2675, 0.3332 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

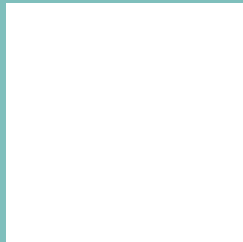
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4045, 0.2675, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 45.4045, 0.2675, 0.3332.

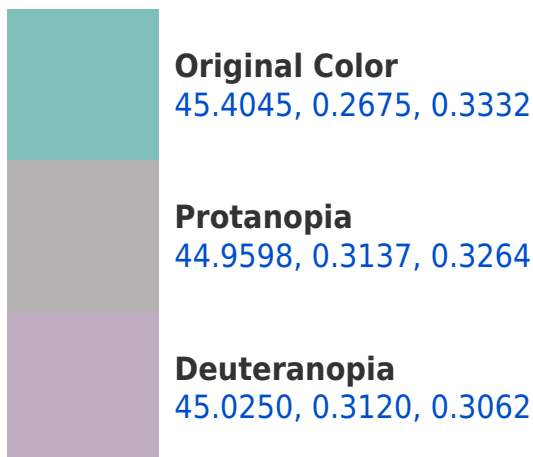


This preview shows how white text looks on a background with the Yxy color 45.4045, 0.2675, 0.3332.

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

45.5801, 0.2600, 0.3081

Trichromacy



Original Color

45.4045, 0.2675, 0.3332

Protanomaly

44.8629, 0.2946, 0.3289

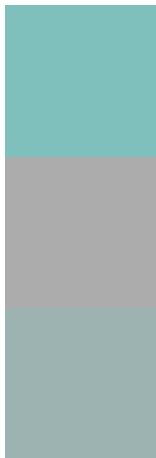
Deuteranomaly

44.6196, 0.2934, 0.3142

Tritanomaly

45.6500, 0.2631, 0.3177

Monochromacy



Original Color

45.4045, 0.2675, 0.3332

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.5225, 0.2942, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4045, 0.2675, 0.3332 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(127, 191, 188)` looks like.

```
.text, #text, p{  
    color:rgb(127, 191, 188)  
}
```

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(127, 191, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 191, 188) }
```

Border

The CSS property to change the border of an element to Yxy 45.4045, 0.2675, 0.3332 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(127, 191, 188) }
```

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

```
.border{ border-color:rgb(127, 191, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 191, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 191, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 191, 188); box-shadow:4px 4px 4px 4px rgb(127, 191, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4045, 0.2675, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 191, 188) }
```

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

```
.background{ background-color: rgb(127,  
191, 188) }
```

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