

Converting Colors

$Yxy(45.6124, 0.2663, 0.3289)$

Have a look what the booklet for
Yxy(45.6124, 0.2663, 0.3289)
contains.

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Color

Yxy(45.6124, 0.2663, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	80BFBF
RGB	128, 191, 191
RGB Percent	50%, 75%, 75%
CMY	0.4982, 0.2509, 0.2510
CMYK	0.33, 0.00, 0.00, 0.25
HSL	180°, 33%, 63%
HSV	180°, 33%, 75%
XYZ	36.9309, 45.6124, 56.1383
YIQ	172.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

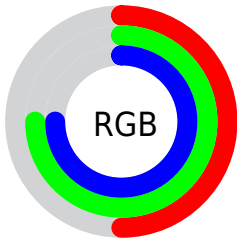
Format	Color
RYB	128, 160, 191
Decimal	8437695
CIELab	73.29, -20.03, -6.42
CIELCh	73, 21.033, 197.768
Yxy	45.6124, 0.2663, 0.3289
Android (android.graphics.Color)	4286627775 (0xFF80BFBF)
YUV	172.1630, 9.2866, -38.7310
Hunter-Lab	67.5370, -20.5813, -2.0074

Details

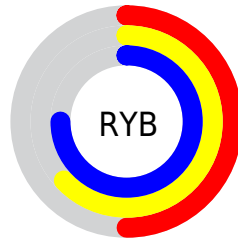
The Yxy color **45.6124, 0.2663, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.0648, 0.3882, 0.3292**, and the grayscale version is **41.3045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9175, 0.2748, 0.3300**, and **21.2222, 0.2531, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **44.2700, 0.2550, 0.3289**, and if you desaturate by 10%, it is **47.2372, 0.2791, 0.3289**.

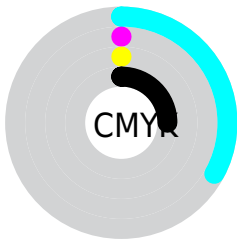
Distribution



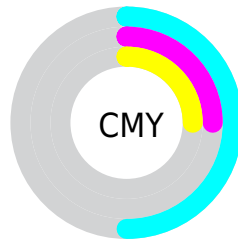
- Red (50%)
- Green (75%)
- Blue (75%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6124, 0.2663, 0.3289 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 45.6124, 0.2663, 0.3289 by changing the saturation by 10% instead.


 45.6124, 0.2663,
0.3289


 45.6124, 0.2663,
0.3289


369.2482, 0.2893,
0.3293


 31.9401, 0.2606,
0.3287


 83.6386, 0.2746,
0.3291

 21.3157, 0.2534,
0.3283


 108.7613, 0.2777,
0.3292

 13.3550, 0.2439,
0.3277


 138.4695, 0.2804,
0.3292

 7.6734, 0.2307,
0.3267

173.1478, 0.2827,
0.3293

 3.8867, 0.2115,
0.3247

213.1803, 0.2847,
0.3293

 1.6104, 0.1812,
0.3200

258.9517, 0.2864,

 0.3646, 0.0000,

0.3293

0.3012

310.8461, 0.2879,
0.3293

0.0000, 0.0000,
0.0000

45.6124, 0.2663,
0.3289

45.6124, 0.2663,
0.3289

44.2700, 0.2550,
0.3289

47.2372, 0.2791,
0.3289

43.1888, 0.2454,
0.3289

49.1535, 0.2931,
0.3290

42.3536, 0.2376,
0.3289


51.3765, 0.3081,
0.3290

41.7448, 0.2318,
0.3289


53.9188, 0.3237,
0.3290


41.3405, 0.2278,
0.3289

56.7923, 0.3396,
0.3291

 41.1140, 0.2256,
0.3289

 60.0084, 0.3557,
0.3291

 41.0255, 0.2247,
0.3289

 62.2905, 0.3661,
0.3291

 62.2909, 0.3661,
0.3291

 62.2912, 0.3661,
0.3291

Harmonies

Analogous

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



45.6124, 0.2876, 0.3567



45.6124, 0.2663, 0.3289



45.6124, 0.2572, 0.3027

Triad

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



45.6124, 0.2663, 0.3289



45.6124, 0.3070, 0.2867



45.6124, 0.3655, 0.3714

Complementary

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



45.6124, 0.2663, 0.3289



28.0648, 0.3882, 0.3292

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.



45.6124, 0.3716, 0.3509



45.6124, 0.2663, 0.3289



45.6124, 0.3370, 0.3033

Square

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



45.6124, 0.2663, 0.3289



45.6124, 0.2798, 0.2801



45.6124, 0.3611, 0.3263



45.6124, 0.3449, 0.3816

Rectangle

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



45.6124, 0.2663, 0.3289



45.6124, 0.2588, 0.2899



45.6124, 0.3611, 0.3263



45.6124, 0.3693, 0.3654

Sweetspot

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



45.6142, 0.2663, 0.3289



89.0991, 0.2973, 0.3290



43.4927, 0.3090, 0.4255



19.4460, 0.2952, 0.3290



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.



45.6142, 0.2663, 0.3289



79.8044, 0.2575, 0.3289



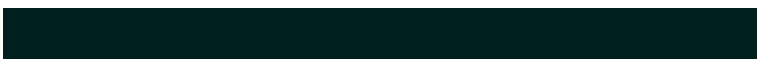
33.6771, 0.2606, 0.2835



10.8095, 0.2985, 0.3290



26.9575, 0.2247, 0.3289



1.0560, 0.2247, 0.3288

Inverse Universe

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



28.0648, 0.3882, 0.3292



43.2990, 0.4146, 0.3293



37.2385, 0.3748, 0.3704



9.5364, 0.3288, 0.3290



7.2794, 0.6400, 0.3299



0.2852, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 45.6124, 0.2663, 0.3289 looks on a white background.

Color Contrast Check

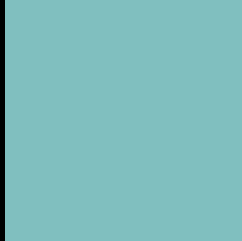
Large Text (above 18pt) WCAG AA × Fail

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 45.6124, 0.2663, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

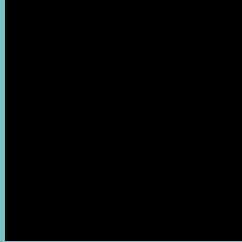
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

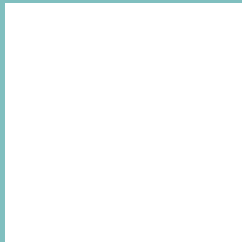
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6124, 0.2663, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 45.6124, 0.2663, 0.3289.



This preview shows how white text looks on a background with the Yxy color 45.6124, 0.2663, 0.3289.

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

45.6124, 0.2663, 0.3289

Protanopia

45.0834, 0.3113, 0.3225

Deuteranopia

45.1594, 0.3096, 0.3025



Tritanopia

45.5801, 0.2600, 0.3081

Trichromacy



Original Color

45.6124, 0.2663, 0.3289

Protanomaly

45.0935, 0.2932, 0.3249

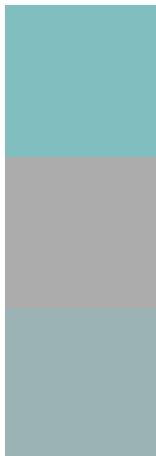
Deuteranomaly

44.7530, 0.2912, 0.3103

Tritanomaly

45.6963, 0.2625, 0.3163

Monochromacy



Original Color

45.6124, 0.2663, 0.3289

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.5628, 0.2934, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6124, 0.2663, 0.3289 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(128, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(128, 191, 191)  
}
```

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(128, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 191, 191) }
```

Border

The CSS property to change the border of an element to Yxy 45.6124, 0.2663, 0.3289 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(128, 191, 191) }
```

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

```
.border{ border-color:rgb(128, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(128, 191,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6124, 0.2663, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 191, 191) }
```

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

```
.background{ background-color: rgb(128,  
191, 191) }
```

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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