

Converting Colors

$Yxy(58.2532, 0.2544, 0.3288)$

Have a look what the booklet for
Yxy(58.2532, 0.2544, 0.3288)
contains.

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Color

Yxy(58.2806, 0.2546, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	7BD8D8
RGB	123, 216, 216
RGB Percent	48%, 85%, 85%
CMY	0.5173, 0.1530, 0.1529
CMYK	0.43, 0.00, 0.00, 0.15
HSL	180°, 54%, 66%
HSV	180°, 43%, 85%
XYZ	45.1285, 58.2806, 73.8434
YIQ	188.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

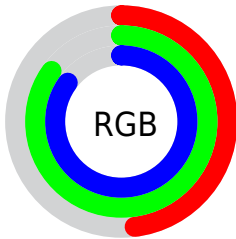
Format	Color
RYB	123, 170, 216
Decimal	8116440
CIELab	80.89, -27.58, -8.66
CIELCh	81, 28.907, 197.427
Yxy	58.2806, 0.2546, 0.3288
Android (android.graphics.Color)	4286306520 (0xFF7BD8D8)
YUV	188.1930, 13.7089, -57.1743
Hunter-Lab	76.3417, -28.0800, -3.9105

Details

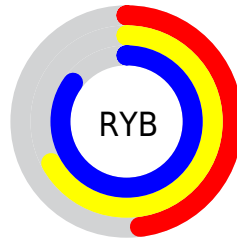
The Yxy color **58.2806, 0.2546, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2247, 0.4250, 0.3294**, and the grayscale version is **50.3612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **29.1868, 0.2406, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **56.8580, 0.2450, 0.3288**, and if you desaturate by 10%, it is **60.0593, 0.2660, 0.3288**.

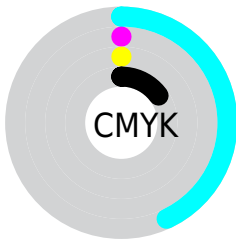
Distribution



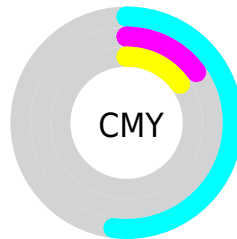
- Red (48%)
- Green (85%)
- Blue (85%)



- Red (48%)
- Yellow (67%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




- Cyan (52%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2806, 0.2546, 0.3288 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 58.2806, 0.2546, 0.3288 by changing the saturation by 10% instead.


 58.2806, 0.2546,
0.3288

 58.2806, 0.2546,
0.3288


418.2307, 0.2821,
0.3295


 42.0343, 0.2482,
0.3285


 102.3314, 0.2642,
0.3292

 29.1281, 0.2402,
0.3280


 130.9046, 0.2680,
0.3293

 19.1778, 0.2300,
0.3272


 164.3556, 0.2711,
0.3293

 11.7988, 0.2166,
0.3260

203.0687, 0.2739,
0.3294

 6.6068, 0.1981,
0.3237

247.4284, 0.2763,
0.3294

 3.2175, 0.1713,
0.3191

297.8190, 0.2785,

 1.2463, 0.1186,

0.3294

354.6250, 0.2804,
0.3295

0.3126

0.0990, 0.0000,
0.1219

0.0000, 0.0000,
0.0000

58.2806, 0.2546,
0.3288

58.2806, 0.2546,
0.3288

56.8580, 0.2450,
0.3288

60.0593, 0.2660,
0.3288

55.7612, 0.2373,
0.3287


62.2085, 0.2788,
0.3289

54.9664, 0.2315,
0.3287


64.7501, 0.2929,
0.3289


54.4434, 0.2276,
0.3287

67.7021, 0.3080,
0.3290


 54.1558, 0.2254,
0.3287


 71.0817, 0.3238,
0.3290

 54.0519, 0.2246,
0.3287

 74.9050, 0.3398,
0.3291

 75.3427, 0.3416,
0.3291

 75.3451, 0.3416,
0.3291

 75.3475, 0.3416,
0.3291

Harmonies

Analogous

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



58.2806, 0.2811, 0.3648



58.2806, 0.2546, 0.3288



58.2806, 0.2433, 0.2956

Triad

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



58.2806, 0.2546, 0.3288



58.2806, 0.3047, 0.2762



58.2806, 0.3795, 0.3818

Complementary

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



58.2806, 0.2546, 0.3288



30.2247, 0.4250, 0.3294

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.



58.2806, 0.3875, 0.3554



58.2806, 0.2546, 0.3288



58.2806, 0.3428, 0.2965

Square

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



58.2806, 0.2546, 0.3288



58.2806, 0.2708, 0.2679



58.2806, 0.3739, 0.3247



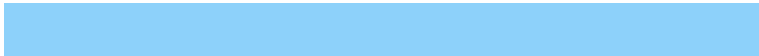
58.2806, 0.3533, 0.3958

Rectangle

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



58.2806, 0.2546, 0.3288



58.2806, 0.2452, 0.2797



58.2806, 0.3739, 0.3247



58.2806, 0.3845, 0.3740

Sweetspot

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



58.2829, 0.2546, 0.3288



94.2413, 0.2928, 0.3289



54.7670, 0.3065, 0.4621



19.9844, 0.2896, 0.3289



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.



58.2829, 0.2546, 0.3288



82.8883, 0.2455, 0.3288



37.7558, 0.2437, 0.2639



14.1074, 0.2983, 0.3290



31.9896, 0.2246, 0.3287



1.9296, 0.2246, 0.3287

Inverse Universe

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



33.7449, 0.3177, 0.2242



42.4956, 0.3186, 0.2042



44.6131, 0.3991, 0.3854



12.6327, 0.3138, 0.3060



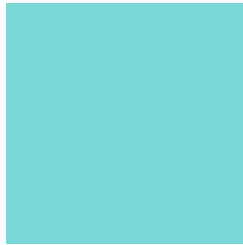
11.5742, 0.3210, 0.1542



0.6981, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 58.2806, 0.2546, 0.3288 looks on a white background.

Color Contrast Check

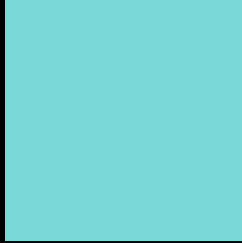
Large Text (above 18pt) WCAG AA × Fail

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 58.2806, 0.2546, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

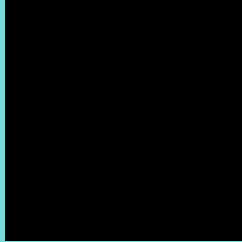
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

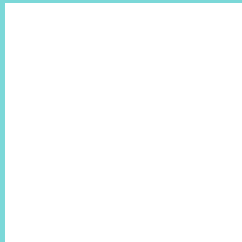
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2806, 0.2546, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 58.2806, 0.2546, 0.3288.

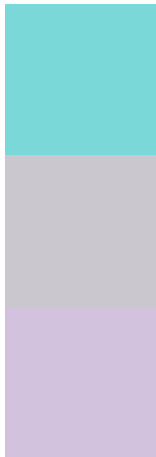


This preview shows how white text looks on a background with the Yxy color 58.2806, 0.2546, 0.3288.

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

58.2806, 0.2546, 0.3288

Protanopia

57.8596, 0.3100, 0.3207

Deuteranopia

57.5057, 0.3056, 0.2982



Tritanopia

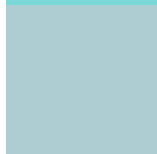
58.3747, 0.2486, 0.3073

Trichromacy



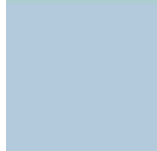
Original Color

58.2806, 0.2546, 0.3288



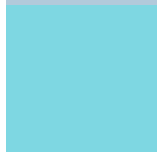
Protanomaly

57.2000, 0.2860, 0.3227



Deuteranomaly

56.8205, 0.2836, 0.3083



Tritanomaly

58.5275, 0.2508, 0.3147

Monochromacy



Original Color

58.2806, 0.2546, 0.3288



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.3579, 0.2871, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2806, 0.2546, 0.3288 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, 216, 216)` looks like.

```
.text, #text, p{  
    color:rgb(123, 216, 216)  
}
```

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, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 216, 216) }
```

Border

The CSS property to change the border of an element to Yxy 58.2806, 0.2546, 0.3288 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, 216, 216) }
```

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

```
.border{ border-color:rgb(123, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(123, 216,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2806, 0.2546, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 216, 216) }
```

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

```
.background{ background-color: rgb(123,  
216, 216) }
```

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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