

Converting Colors

$Y_{xy}(58.1841, 0.2562, 0.3266)$

Have a look what the booklet for
Yxy(58.1841, 0.2562, 0.3266)
contains.

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Color

Yxy(58.1998, 0.2563, 0.3262)

Conversions

Conversions Part 1

Format	Color
Hex	80D7D9
RGB	128, 215, 217
RGB Percent	50%, 84%, 85%
CMY	0.4981, 0.1569, 0.1489
CMYK	0.41, 0.01, 0.00, 0.15
HSL	181°, 54%, 68%
HSV	181°, 41%, 85%
XYZ	45.7284, 58.1998, 74.4893
YIQ	189.2150, -52.4940, -17.8220

Conversions

Conversions Part 2

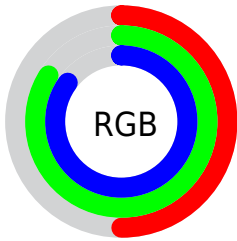
Format	Color
RYB	128, 172, 217
Decimal	8443865
CIELab	80.85, -25.67, -9.25
CIELCh	81, 27.281, 199.810
Yxy	58.1998, 0.2563, 0.3262
Android (android.graphics.Color)	4286633945 (0xFF80D7D9)
YUV	189.2150, 13.6980, -53.6856
Hunter-Lab	76.2888, -26.5104, -4.4893

Details

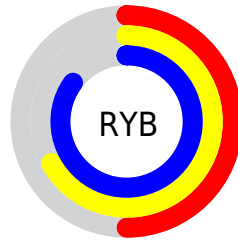
The Yxy color **58.1998, 0.2563, 0.3262** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2848, 0.4163, 0.3318**, and the grayscale version is **50.9616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **29.0898, 0.2425, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **56.4440, 0.2461, 0.3254**, and if you desaturate by 10%, it is **60.3208, 0.2682, 0.3269**.

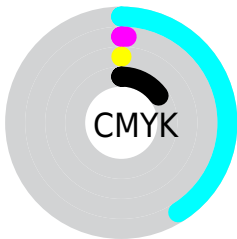
Distribution



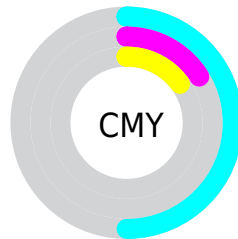
- Red (50%)
- Green (84%)
- Blue (85%)



- Red (50%)
- Yellow (67%)
- Blue (85%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)





- Cyan (50%)
- Magenta (16%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1998, 0.2563, 0.3262 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 58.1998, 0.2563, 0.3262 by changing the saturation by 10% instead.

 58.1998, 0.2563,
0.3262


 58.1998, 0.2563,
0.3262


417.9300, 0.2830,
0.3281


 41.9693, 0.2501,
0.3256


 102.2138, 0.2657,
0.3270

 29.0773, 0.2423,
0.3248

 130.7660, 0.2693,
0.3273

 19.1393, 0.2324,
0.3235


 164.1943, 0.2724,
0.3275

 11.7710, 0.2194,
0.3217

202.8830, 0.2751,
0.3277

 6.5879, 0.2014,
0.3185

247.2165, 0.2774,
0.3278

 3.2057, 0.1752,
0.3128

297.5793, 0.2795,

 1.2401, 0.1260,

0.3279

0.3034

354.3556, 0.2813,
0.3280

■ 0.0941, 0.0000,
0.1116

■ 0.0000, 0.0000,
0.0000

■ 58.1998, 0.2563,
0.3262

■ 58.1998, 0.2563,
0.3262

■ 56.4440, 0.2461,
0.3254

■ 60.3208, 0.2682,
0.3269

■ 55.0235, 0.2377,
0.3247


■ 62.8212, 0.2814,
0.3277


■ 53.9146, 0.2313,
0.3239


■ 65.7229, 0.2959,
0.3283

■ 53.0877, 0.2267,
0.3231


■ 69.0441, 0.3111,
0.3289


 52.5075, 0.2240,
0.3224


 72.8016, 0.3269,
0.3295

 52.1420, 0.2227,
0.3217

 76.3981, 0.3405,
0.3300

 76.6548, 0.3405,
0.3305

 76.9123, 0.3404,
0.3310

 77.1706, 0.3403,
0.3315

Harmonies

Analogous

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



58.1998, 0.2805, 0.3603



58.1998, 0.2563, 0.3262



58.1998, 0.2468, 0.2954

Triad

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



58.1998, 0.2563, 0.3262



58.1998, 0.3081, 0.2800



58.1998, 0.3745, 0.3806

Complementary

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



58.1998, 0.2563, 0.3262



32.2848, 0.4163, 0.3318

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.



58.1998, 0.3834, 0.3564



58.1998, 0.2563, 0.3262



58.1998, 0.3439, 0.3001

Square

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



58.1998, 0.2563, 0.3262



58.1998, 0.2753, 0.2712



58.1998, 0.3722, 0.3274



58.1998, 0.3487, 0.3924

Rectangle

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



58.1998, 0.2563, 0.3262



58.1998, 0.2495, 0.2811



58.1998, 0.3722, 0.3274



58.1998, 0.3796, 0.3735

Sweetspot

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



58.2021, 0.2563, 0.3262



94.2074, 0.2943, 0.3282



55.8277, 0.3060, 0.4529



20.0408, 0.2923, 0.3282



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.



58.2021, 0.2563, 0.3262



81.6873, 0.2476, 0.3256



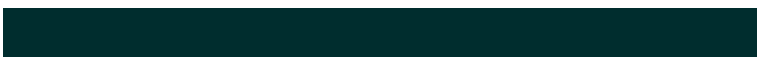
38.7356, 0.2466, 0.2654



14.7760, 0.2982, 0.3284



31.5764, 0.2227, 0.3218



2.0622, 0.2231, 0.3230

Inverse Universe

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



35.0986, 0.3193, 0.2306



44.2766, 0.3207, 0.2125



46.5847, 0.3934, 0.3846



13.2695, 0.3141, 0.3065



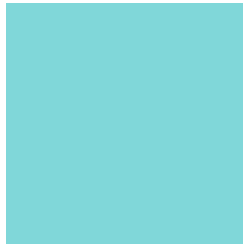
11.8114, 0.3267, 0.1573



0.7669, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 58.1998, 0.2563, 0.3262 looks on a white background.

Color Contrast Check

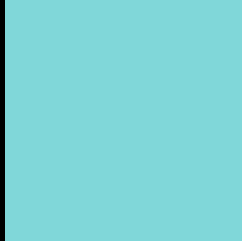
Large Text (above 18pt) WCAG AA × Fail

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 58.1998, 0.2563, 0.3262 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 58.1998, 0.2563, 0.3262

Background



This preview shows how black text looks on a background with the Yxy color 58.1998, 0.2563, 0.3262.

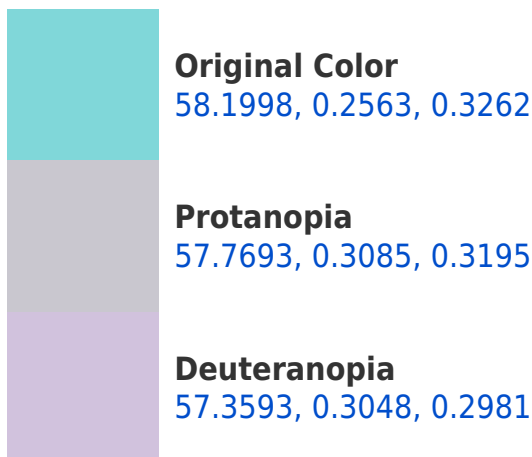


This preview shows how white text looks on a background with the Yxy color 58.1998, 0.2563, 0.3262.

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

58.2072, 0.2513, 0.3073

Trichromacy



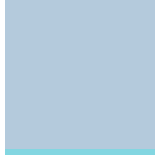
Original Color

58.1998, 0.2563, 0.3262



Protanomaly

57.3645, 0.2861, 0.3215



Deuteranomaly

57.1117, 0.2843, 0.3072



Tritanomaly

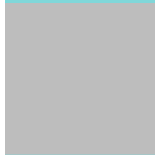
58.3547, 0.2535, 0.3148

Monochromacy



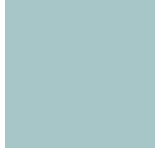
Original Color

58.1998, 0.2563, 0.3262



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.7272, 0.2886, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1998, 0.2563, 0.3262 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, 215, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 215, 217)  
}
```

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, 215, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 215, 217) }
```

Border

The CSS property to change the border of an element to Yxy 58.1998, 0.2563, 0.3262 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, 215, 217) }
```

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

```
.border{ border-color:rgb(128, 215, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 215, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 215, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 215, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 215,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1998, 0.2563, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 215, 217) }
```

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

```
.background{ background-color: rgb(128,  
215, 217) }
```

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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