

Converting Colors

$Yxy(58.6308, 0.2725, 0.3564)$

Have a look what the booklet for
Yxy(58.6308, 0.2725, 0.3564)
contains.

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Color

Yxy(58.8455, 0.2723, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	88D9C4
RGB	136, 217, 196
RGB Percent	53%, 85%, 77%
CMY	0.4669, 0.1490, 0.2314
CMYK	0.37, 0.00, 0.10, 0.15
HSL	164°, 52%, 69%
HSV	164°, 37%, 85%
XYZ	44.9219, 58.8455, 61.2046
YIQ	190.3870, -41.5350, -23.7030

Conversions

Conversions Part 2

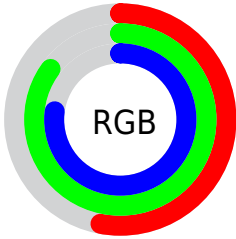
Format	Color
RYB	136, 183, 217
Decimal	8968644
CIELab	81.21, -29.52, 2.54
CIELCh	81, 29.631, 175.084
Yxy	58.8455, 0.2723, 0.3567
Android (android.graphics.Color)	4287158724 (0xFF88D9C4)
YUV	190.3870, 2.7672, -47.6974
Hunter-Lab	76.7108, -29.7143, 6.3924

Details

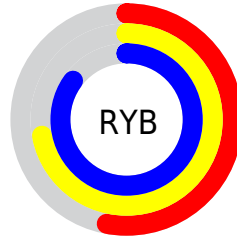
The Yxy color **58.8455, 0.2723, 0.3567** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7814, 0.3796, 0.3035**, and the grayscale version is **51.7230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8183, 0.2772, 0.3310**, and **29.5430, 0.2620, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **56.9604, 0.2639, 0.3655**, and if you desaturate by 10%, it is **61.1128, 0.2820, 0.3484**.

Distribution



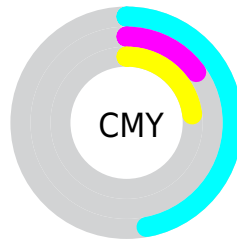
- Red (53%)
- Green (85%)
- Blue (77%)



- Red (53%)
- Yellow (72%)
- Blue (85%)



- Cyan (37%)
- Magenta (0%)
- Yellow (10%)
- Black (15%)




- Cyan (47%)
- Magenta (15%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8455, 0.2723, 0.3567 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 58.8455, 0.2723, 0.3567 by changing the saturation by 10% instead.


 58.8455, 0.2723,
0.3567

 58.8455, 0.2723,
0.3567


420.3291, 0.2917,
0.3433

 42.4888, 0.2677,
0.3599


 103.1531, 0.2792,
0.3519

 29.4842, 0.2618,
0.3640


 131.8727, 0.2818,
0.3501

 19.4474, 0.2543,
0.3694


 165.4821, 0.2841,
0.3485

 11.9940, 0.2442,
0.3766

204.3656, 0.2860,
0.3472

 6.7396, 0.2298,
0.3870

248.9077, 0.2877,
0.3460

 3.2998, 0.2081,
0.4031

299.4927, 0.2892,

 1.2902, 0.1561,

0.3450

0.4392

356.5051, 0.2906,
0.3441

0.1336, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.8455, 0.2723,
0.3567

58.8455, 0.2723,
0.3567

56.9604, 0.2639,
0.3655

61.1128, 0.2820,
0.3484

55.4278, 0.2570,
0.3748

63.7757, 0.2927,
0.3407

54.2253, 0.2520,
0.3844

66.8557, 0.3041,
0.3337

53.3248, 0.2489,
0.3941

70.3705, 0.3159,
0.3274

■ 52.6932, 0.2478,
0.4039

■ 74.3370, 0.3279,
0.3217

■ 52.2861, 0.2486,
0.4136

■ 76.5930, 0.3317,
0.3163

■ 52.1963, 0.2489,
0.4161

■ 76.9141, 0.3277,
0.3108

■ 77.2454, 0.3238,
0.3053

■ 77.5872, 0.3200,
0.2999

Harmonies

Analogous

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



58.8455, 0.3073, 0.3868



58.8455, 0.2723, 0.3567



58.8455, 0.2488, 0.3193

Triad

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



58.8455, 0.2723, 0.3567



58.8455, 0.2778, 0.2675



58.8455, 0.3891, 0.3635

Complementary

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



58.8455, 0.2723, 0.3567



34.7814, 0.3796, 0.3035

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.



58.8455, 0.3808, 0.3326



58.8455, 0.2723, 0.3567



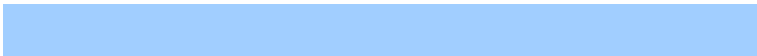
58.8455, 0.3145, 0.2794

Square

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



58.8455, 0.2723, 0.3567



58.8455, 0.2519, 0.2699



58.8455, 0.3528, 0.3026



58.8455, 0.3756, 0.3881

Rectangle

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



58.8455, 0.2723, 0.3567



58.8455, 0.2421, 0.2971



58.8455, 0.3528, 0.3026



58.8455, 0.3889, 0.3535

Sweetspot

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



58.8479, 0.2723, 0.3567



94.6029, 0.2997, 0.3363



58.6344, 0.3224, 0.4369



20.1179, 0.2982, 0.3372



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.



58.8479, 0.2723, 0.3567



82.5660, 0.2654, 0.3638



50.6739, 0.2572, 0.3039



14.7689, 0.3016, 0.3351



31.6103, 0.2485, 0.4147



2.0616, 0.2442, 0.3990

Inverse Universe

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



34.7814, 0.3796, 0.3035



42.9923, 0.4016, 0.2982



39.9275, 0.3950, 0.3524



13.1067, 0.3251, 0.3230



9.1193, 0.5889, 0.3018



0.6048, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 58.8455, 0.2723, 0.3567 looks on a white background.

Color Contrast Check

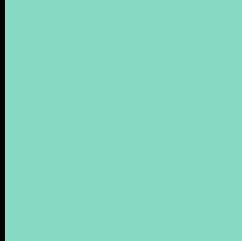
Large Text (above 18pt) WCAG AA × Fail

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 58.8455, 0.2723, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

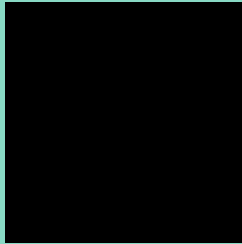
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

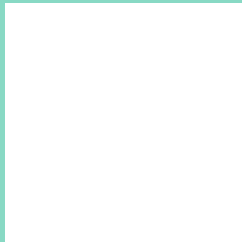
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8455, 0.2723, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 58.8455, 0.2723, 0.3567.

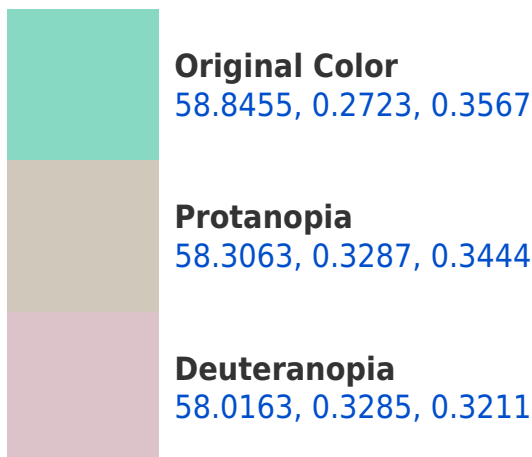


This preview shows how white text looks on a background with the Yxy color 58.8455, 0.2723, 0.3567.

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

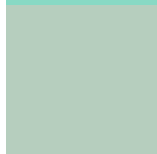
58.6734, 0.2579, 0.3076

Trichromacy



Original Color

58.8455, 0.2723, 0.3567



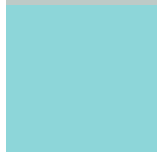
Protanomaly

57.8054, 0.3058, 0.3489



Deuteranomaly

57.1834, 0.3049, 0.3326



Tritanomaly

58.7656, 0.2630, 0.3250

Monochromacy



Original Color

58.8455, 0.2723, 0.3567



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.6604, 0.2955, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8455, 0.2723, 0.3567 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(136, 217, 196)` looks like.

```
.text, #text, p{  
    color:rgb(136, 217, 196)  
}
```

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(136, 217, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 217, 196) }
```

Border

The CSS property to change the border of an element to Yxy 58.8455, 0.2723, 0.3567 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(136, 217, 196) }
```

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

```
.border{ border-color:rgb(136, 217, 196) }
```

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

Here you see how a box with a 4 pixel rgb(136, 217, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 217, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 217, 196);  
box-shadow:4px 4px 4px 4px rgb(136, 217,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8455, 0.2723, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 217, 196) }
```

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

```
.background{ background-color: rgb(136,  
217, 196) }
```

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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