

Converting Colors

$Yxy(57.0162, 0.2735, 0.3824)$

Have a look what the booklet for
Yxy(57.0162, 0.2735, 0.3824)
contains.

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Color

Yxy(56.8735, 0.2730, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	78D9B3
RGB	120, 217, 179
RGB Percent	47%, 85%, 70%
CMY	0.5297, 0.1490, 0.2981
CMYK	0.45, 0.00, 0.18, 0.15
HSL	157°, 56%, 66%
HSV	157°, 45%, 85%
XYZ	40.6878, 56.8735, 51.4783
YIQ	183.6650, -45.6140, -32.3820

Conversions

Conversions Part 2

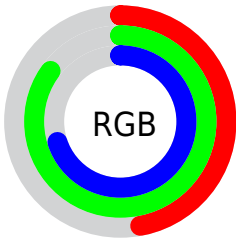
Format	Color
RYB	120, 180, 217
Decimal	7920051
CIELab	80.11, -37.43, 9.90
CIElCh	80, 38.717, 165.188
Yxy	56.8735, 0.2730, 0.3816
Android (android.graphics.Color)	4286110131 (0xFF78D9B3)
YUV	183.6650, -2.2998, -55.8342
Hunter-Lab	75.4145, -35.6707, 12.3186

Details

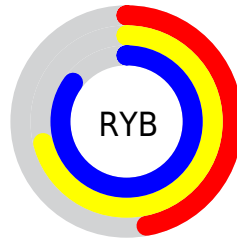
The Yxy color **56.8735, 0.2730, 0.3816** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.6379, 0.3836, 0.2832**, and the grayscale version is **47.7626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8653, 0.2783, 0.3510**, and **28.4038, 0.2625, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **55.1637, 0.2669, 0.3960**, and if you desaturate by 10%, it is **58.9606, 0.2805, 0.3681**.

Distribution



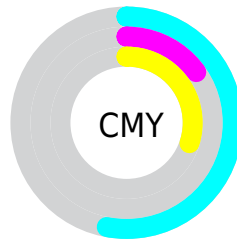
- Red (47%)
- Green (85%)
- Blue (70%)



- Red (47%)
- Yellow (71%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)




- Cyan (53%)
- Magenta (15%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8735, 0.2730, 0.3816 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 56.8735, 0.2730, 0.3816 by changing the saturation by 10% instead.


 56.8735, 0.2730,
0.3816


 56.8735, 0.2730,
0.3816


412.9751, 0.2926,
0.3553


 40.9037, 0.2682,
0.3882


 100.2806, 0.2801,
0.3720

 28.2438, 0.2621,
0.3966


 128.4866, 0.2827,
0.3684

 18.5095, 0.2541,
0.4078


 161.5402, 0.2850,
0.3654

 11.3164, 0.2430,
0.4234

199.8258, 0.2869,
0.3628

 6.2801, 0.2270,
0.4466

243.7276, 0.2886,
0.3605

 3.0161, 0.2017,
0.4845

293.6302, 0.2901,

 1.1402, 0.0825,

0.3586

0.6277

349.9179, 0.2914,
0.3568

0.0120, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8735, 0.2730,
0.3816

56.8735, 0.2730,
0.3816

55.1637, 0.2669,
0.3960

58.9606, 0.2805,
0.3681

53.7999, 0.2625,
0.4109


61.4403, 0.2890,
0.3555

52.7568, 0.2599,
0.4262

64.3352, 0.2983,
0.3440

52.0028, 0.2595,
0.4415

67.6644, 0.3080,
0.3336

 51.4990, 0.2610,
0.4565


 71.4457, 0.3180,
0.3242

 51.2997, 0.2623,
0.4643

 75.6957, 0.3279,
0.3159

 77.0946, 0.3256,
0.3078

 77.6073, 0.3198,
0.2996

 78.1129, 0.3145,
0.2920

Harmonies

Analogous

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



56.8735, 0.3213, 0.4152



56.8735, 0.2730, 0.3816



56.8735, 0.2372, 0.3314

Triad

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



56.8735, 0.2730, 0.3816



56.8735, 0.2539, 0.2484



56.8735, 0.4135, 0.3593

Complementary

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



56.8735, 0.2730, 0.3816



30.6379, 0.3836, 0.2832

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.



56.8735, 0.3932, 0.3192



56.8735, 0.2730, 0.3816



56.8735, 0.2976, 0.2582

Square

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



56.8735, 0.2730, 0.3816



56.8735, 0.2272, 0.2571



56.8735, 0.3492, 0.2835



56.8735, 0.4040, 0.3960

Rectangle

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



56.8735, 0.2730, 0.3816



56.8735, 0.2243, 0.2995



56.8735, 0.3492, 0.2835



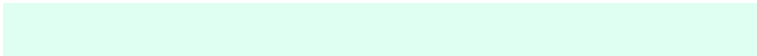
56.8735, 0.4100, 0.3459

Sweetspot

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



56.8758, 0.2730, 0.3816



93.4378, 0.2998, 0.3422



58.3344, 0.3328, 0.4573



19.7845, 0.2977, 0.3446



0.0000, 0.0000, 0.0000



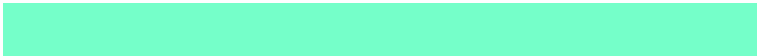
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.8758, 0.2730, 0.3816



79.5433, 0.2670, 0.3956



53.7729, 0.2506, 0.3159



14.7387, 0.3034, 0.3383



31.0709, 0.2617, 0.4621



2.0297, 0.2550, 0.4379

Inverse Universe

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



30.6379, 0.3836, 0.2832



37.0015, 0.4078, 0.2743



31.9785, 0.4261, 0.3412



13.1355, 0.3231, 0.3199



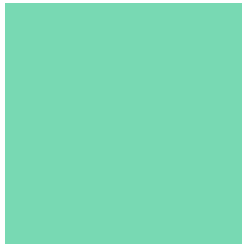
9.3461, 0.5401, 0.2749



0.6221, 0.4965, 0.2509

Previews

White Background



This preview shows how the Yxy color 56.8735, 0.2730, 0.3816 looks on a white background.

Color Contrast Check

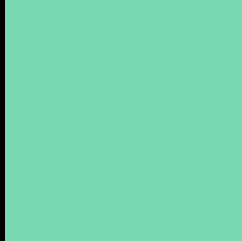
Large Text (above 18pt) WCAG AA × Fail

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 56.8735, 0.2730, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

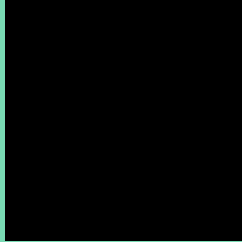
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8735, 0.2730, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 56.8735, 0.2730, 0.3816.

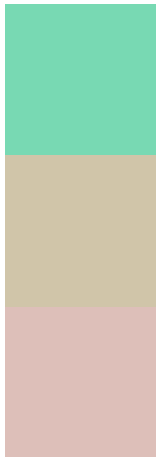


This preview shows how white text looks on a background with the Yxy color 56.8735, 0.2730, 0.3816.

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

56.8735, 0.2730, 0.3816

Protanopia

56.2070, 0.3430, 0.3628

Deuteranopia

56.1365, 0.3424, 0.3360



Tritanopia

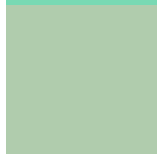
56.6258, 0.2527, 0.3072

Trichromacy



Original Color

56.8735, 0.2730, 0.3816



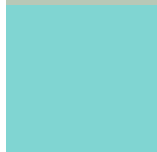
Protanomaly

55.4330, 0.3131, 0.3690



Deuteranomaly

54.9178, 0.3125, 0.3505



Tritanomaly

56.8308, 0.2596, 0.3328

Monochromacy



Original Color

56.8735, 0.2730, 0.3816



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.4343, 0.2956, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8735, 0.2730, 0.3816 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(120, 217, 179)` looks like.

```
.text, #text, p{  
    color:rgb(120, 217, 179)  
}
```

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(120, 217, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 217, 179) }
```

Border

The CSS property to change the border of an element to Yxy 56.8735, 0.2730, 0.3816 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(120, 217, 179) }
```

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

```
.border{ border-color:rgb(120, 217, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 217, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 217, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 217, 179);  
box-shadow:4px 4px 4px 4px rgb(120, 217,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8735, 0.2730, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 217, 179) }
```

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

```
.background{ background-color: rgb(120,  
217, 179) }
```

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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