

Converting Colors

Yxy(56.2022, 0.2728, 0.3800)

Have a look what the booklet for
Yxy(56.2022, 0.2728, 0.3800)
contains.

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Color

$\text{Yxy}(56.3595, 0.2729, 0.3803)$

Conversions

Conversions Part 1

Format	Color
Hex	78D8B3
RGB	120, 216, 179
RGB Percent	47%, 85%, 70%
CMY	0.5292, 0.1530, 0.2980
CMYK	0.44, 0.00, 0.17, 0.15
HSL	157°, 55%, 66%
HSV	157°, 44%, 85%
XYZ	40.4431, 56.3595, 51.3949
YIQ	183.0780, -45.3390, -31.8590

Conversions

Conversions Part 2

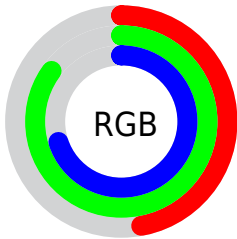
Format	Color
RYB	120, 179, 216
Decimal	7919795
CIELab	79.82, -36.94, 9.48
CIELCh	80, 38.133, 165.603
Yxy	56.3595, 0.2729, 0.3803
Android (android.graphics.Color)	4286109875 (0xFF78D8B3)
YUV	183.0780, -2.0105, -55.3194
Hunter-Lab	75.0730, -35.2167, 11.9612

Details

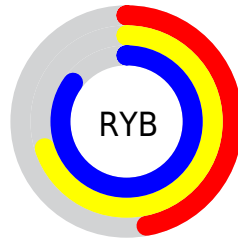
The Yxy color **56.3595, 0.2729, 0.3803** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4791, 0.3835, 0.2842**, and the grayscale version is **47.4359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8653, 0.2783, 0.3510**, and **28.0529, 0.2622, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **54.6600, 0.2667, 0.3944**, and if you desaturate by 10%, it is **58.4322, 0.2805, 0.3670**.

Distribution



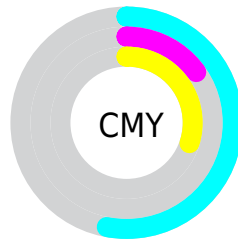
- Red (47%)
- Green (85%)
- Blue (70%)



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



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3595, 0.2729, 0.3803 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 56.3595, 0.2729, 0.3803 by changing the saturation by 10% instead.


 56.3595, 0.2729,
0.3803


 56.3595, 0.2729,
0.3803


411.0449, 0.2925,
0.3546

 40.4912, 0.2681,
0.3867


 99.5300, 0.2800,
0.3710

 27.9218, 0.2620,
0.3950


 127.6010, 0.2826,
0.3675

 18.2667, 0.2539,
0.4059


 160.5084, 0.2849,
0.3645

 11.1416, 0.2428,
0.4212

198.6366, 0.2869,
0.3620

 6.1622, 0.2267,
0.4439

242.3700, 0.2886,
0.3598

 2.9439, 0.2013,
0.4810

292.0929, 0.2901,


 1.1025, 0.0749,


0.3578


0.6284

348.1897, 0.2914,
0.3561


 0.0000, 0.0000,
0.0000

 56.3595, 0.2729,
0.3803


 56.3595, 0.2729,
0.3803

 54.6600, 0.2667,
0.3944


 58.4322, 0.2805,
0.3670


 53.3029, 0.2622,
0.4091


 60.8932, 0.2891,
0.3547


 52.2634, 0.2595,
0.4241


 63.7649, 0.2985,
0.3434

 51.5103, 0.2589,
0.4392


 67.0659, 0.3083,
0.3332


 51.0055, 0.2603,
0.4539


 70.8137, 0.3183,
0.3240

 50.7960, 0.2617,
0.4620

 75.0250, 0.3284,
0.3159

 76.5024, 0.3265,
0.3079

 77.0015, 0.3208,
0.2999

 77.5235, 0.3152,
0.2920

Harmonies

Analogous

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



56.3595, 0.3205, 0.4138



56.3595, 0.2729, 0.3803



56.3595, 0.2378, 0.3308

Triad

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



56.3595, 0.2729, 0.3803



56.3595, 0.2550, 0.2493



56.3595, 0.4124, 0.3596

Complementary

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



56.3595, 0.2729, 0.3803



30.4791, 0.3835, 0.2842

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.



56.3595, 0.3926, 0.3199



56.3595, 0.2729, 0.3803



56.3595, 0.2985, 0.2592

Square

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



56.3595, 0.2729, 0.3803



56.3595, 0.2284, 0.2577



56.3595, 0.3495, 0.2844



56.3595, 0.4026, 0.3957

Rectangle

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



56.3595, 0.2729, 0.3803



56.3595, 0.2251, 0.2993



56.3595, 0.3495, 0.2844



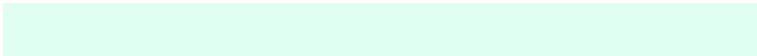
56.3595, 0.4090, 0.3464

Sweetspot

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



56.3618, 0.2729, 0.3803



93.4498, 0.2997, 0.3420



57.7803, 0.3327, 0.4563



19.7874, 0.2976, 0.3444



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.



56.3618, 0.2729, 0.3803



79.8089, 0.2672, 0.3931



53.2910, 0.2509, 0.3160



14.0229, 0.3033, 0.3381



30.0886, 0.2611, 0.4598



1.8308, 0.2540, 0.4346

Inverse Universe

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



30.4791, 0.3835, 0.2842



37.6339, 0.4061, 0.2760



31.8265, 0.4249, 0.3411



12.4993, 0.3231, 0.3200



9.0330, 0.5423, 0.2761



0.5608, 0.4957, 0.2504

Previews

White Background



This preview shows how the Yxy color 56.3595, 0.2729, 0.3803 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 56.3595, 0.2729, 0.3803 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

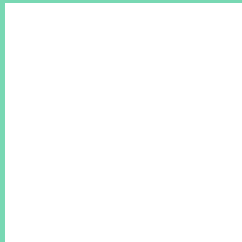
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3595, 0.2729, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 56.3595, 0.2729, 0.3803.



This preview shows how white text looks on a background with the Yxy color 56.3595, 0.2729, 0.3803.

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

56.3595, 0.2729, 0.3803

Protanopia

55.6098, 0.3424, 0.3617

Deuteranopia

55.5453, 0.3418, 0.3349



Tritanopia

55.9974, 0.2525, 0.3070

Trichromacy



Original Color

56.3595, 0.2729, 0.3803



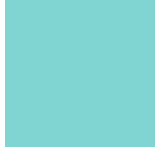
Protanomaly

54.8430, 0.3124, 0.3679



Deuteranomaly

54.4561, 0.3126, 0.3492



Tritanomaly

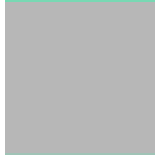
56.2796, 0.2599, 0.3328

Monochromacy



Original Color

56.3595, 0.2729, 0.3803



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.8812, 0.2949, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3595, 0.2729, 0.3803 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, 216, 179)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 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, 216, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 179) }
```

Border

The CSS property to change the border of an element to Yxy 56.3595, 0.2729, 0.3803 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, 216, 179) }
```

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

```
.border{ border-color:rgb(120, 216, 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, 216, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 216, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 216, 179);  
box-shadow:4px 4px 4px 4px rgb(120, 216,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3595, 0.2729, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 179) }
```

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

```
.background{ background-color: rgb(120,  
216, 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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