

Converting Colors

$Y_{xy}(56.2638, 0.2579, 0.3427)$

Have a look what the booklet for
Yxy(56.2638, 0.2579, 0.3427)
contains.

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Color

Yxy(56.3043, 0.2579, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	76D6CC
RGB	118, 214, 204
RGB Percent	46%, 84%, 80%
CMY	0.5371, 0.1608, 0.2000
CMYK	0.45, 0.00, 0.05, 0.16
HSL	174°, 54%, 65%
HSV	174°, 45%, 84%
XYZ	42.4215, 56.3043, 65.7624
YIQ	184.1560, -54.0060, -23.4620

Conversions

Conversions Part 2

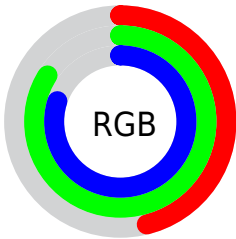
Format	Color
R _{YB}	118, 169, 214
Decimal	7788236
CIE Lab	79.79, -30.77, -3.91
CIE LCh	80, 31.013, 187.240
Yxy	56.3043, 0.2579, 0.3423
Android (android.graphics.Color)	4285978316 (0xFF76D6CC)
YUV	184.1560, 9.7831, -58.0188
Hunter-Lab	75.0362, -30.3989, 0.5631

Details

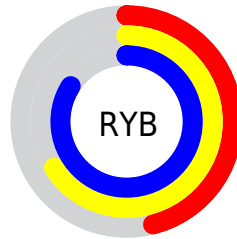
The Yxy color **56.3043, 0.2579, 0.3423** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.8225, 0.4192, 0.3170**, and the grayscale version is **47.9975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **27.9281, 0.2438, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **54.8676, 0.2494, 0.3458**, and if you desaturate by 10%, it is **58.0868, 0.2681, 0.3390**.

Distribution



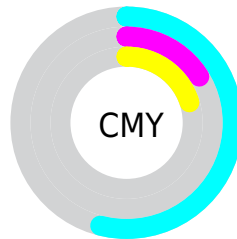
- Red (46%)
- Green (84%)
- Blue (80%)



- Red (46%)
- Yellow (66%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)



- Cyan (54%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3043, 0.2579, 0.3423 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 56.3043, 0.2579, 0.3423 by changing the saturation by 10% instead.

 56.3043, 0.2579,
0.3423

 56.3043, 0.2579,
0.3423


410.8373, 0.2841,
0.3362

 40.4470, 0.2517,
0.3437


 99.4494, 0.2672,
0.3402

 27.8872, 0.2439,
0.3453


 127.5059, 0.2707,
0.3394

 18.2406, 0.2339,
0.3474


 160.3975, 0.2738,
0.3387

 11.1229, 0.2206,
0.3500

198.5088, 0.2764,
0.3381

 6.1496, 0.2020,
0.3533

242.2240, 0.2787,
0.3375

 2.9362, 0.1744,
0.3576

291.9275, 0.2807,

 1.0985, 0.0955,

0.3370

348.0038, 0.2825,
0.3366

0.3765

0.0000, 0.0000,
0.0000

56.3043, 0.2579,
0.3423

56.3043, 0.2579,
0.3423

54.8676, 0.2494,
0.3458

58.0868, 0.2681,
0.3390

53.7468, 0.2427,
0.3493

60.2296, 0.2797,
0.3358

52.9179, 0.2379,
0.3529


62.7543, 0.2924,
0.3329

52.3506, 0.2351,
0.3565

65.6789, 0.3059,
0.3302

52.0077, 0.2340,
0.3601


69.0202, 0.3201,
0.3278

 51.8851, 0.2339,
0.3619

 72.7942, 0.3345,
0.3256

 74.4982, 0.3393,
0.3234

 74.6168, 0.3377,
0.3212

 74.7369, 0.3361,
0.3189

Harmonies

Analogous

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



56.3043, 0.2909, 0.3796



56.3043, 0.2579, 0.3423



56.3043, 0.2398, 0.3036

Triad

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



56.3043, 0.2579, 0.3423



56.3043, 0.2904, 0.2674



56.3043, 0.3907, 0.3772

Complementary

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



56.3043, 0.2579, 0.3423



28.8225, 0.4192, 0.3170

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.



56.3043, 0.3915, 0.3461



56.3043, 0.2579, 0.3423



56.3043, 0.3314, 0.2852

Square

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



56.3043, 0.2579, 0.3423



56.3043, 0.2576, 0.2635



56.3043, 0.3694, 0.3132



56.3043, 0.3680, 0.3983

Rectangle

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



56.3043, 0.2579, 0.3423



56.3043, 0.2378, 0.2833



56.3043, 0.3694, 0.3132



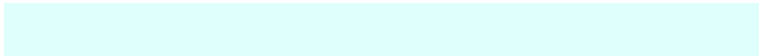
56.3043, 0.3936, 0.3675

Sweetspot

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



56.3065, 0.2579, 0.3423



94.0256, 0.2946, 0.3324



54.0868, 0.3134, 0.4656



19.9305, 0.2917, 0.3331



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.



56.3065, 0.2579, 0.3423



81.6535, 0.2496, 0.3457



40.2390, 0.2438, 0.2772



14.0846, 0.2996, 0.3314



31.3711, 0.2337, 0.3614



1.8987, 0.2320, 0.3552

Inverse Universe

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



28.8225, 0.4192, 0.3170



35.7086, 0.4568, 0.3150



38.9898, 0.4101, 0.3745



12.4416, 0.3275, 0.3266



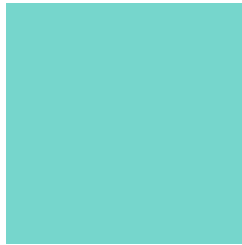
8.6841, 0.6270, 0.3228



0.5311, 0.5938, 0.3045

Previews

White Background



This preview shows how the Yxy color 56.3043, 0.2579, 0.3423 looks on a white background.

Color Contrast Check

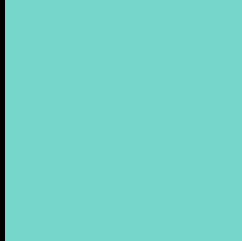
Large Text (above 18pt) WCAG AA × Fail

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 56.3043, 0.2579, 0.3423 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

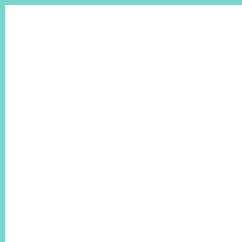
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3043, 0.2579, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 56.3043, 0.2579, 0.3423.



This preview shows how white text looks on a background with the Yxy color 56.3043, 0.2579, 0.3423.

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

56.3043, 0.2579, 0.3423

Protanopia

55.7476, 0.3189, 0.3326

Deuteranopia

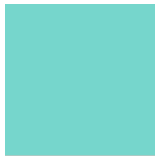
55.5667, 0.3145, 0.3081



Tritanopia

55.9992, 0.2487, 0.3069

Trichromacy



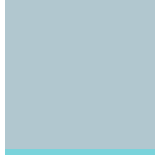
Original Color

56.3043, 0.2579, 0.3423



Protanomaly

55.4010, 0.2930, 0.3366



Deuteranomaly

54.6990, 0.2905, 0.3190



Tritanomaly

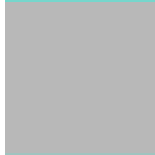
55.8406, 0.2514, 0.3183

Monochromacy



Original Color

56.3043, 0.2579, 0.3423



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.2654, 0.2887, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3043, 0.2579, 0.3423 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(118, 214, 204)` looks like.

```
.text, #text, p{  
    color:rgb(118, 214, 204)  
}
```

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(118, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 214, 204) }
```

Border

The CSS property to change the border of an element to Yxy 56.3043, 0.2579, 0.3423 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(118, 214, 204) }
```

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

```
.border{ border-color:rgb(118, 214, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 214, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(118, 214,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3043, 0.2579, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 214, 204) }
```

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

```
.background{ background-color: rgb(118,  
214, 204) }
```

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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