

Converting Colors

$Yxy(46.3724, 0.2581, 0.3591)$

Have a look what the booklet for
Yxy(46.3724, 0.2581, 0.3591)
contains.

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Color

Yxy(46.1439, 0.2579, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	61C6B2
RGB	97, 198, 178
RGB Percent	38%, 78%, 70%
CMY	0.6196, 0.2235, 0.3020
CMYK	0.51, 0.00, 0.10, 0.22
HSL	168°, 47%, 58%
HSV	168°, 51%, 78%
XYZ	33.1583, 46.1439, 49.2682
YIQ	165.5210, -53.7760, -27.6320

Conversions

Conversions Part 2

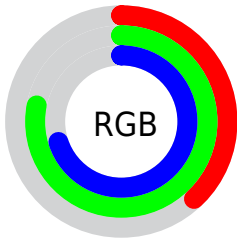
Format	Color
RYB	97, 153, 198
Decimal	6407858
CIELab	73.64, -34.39, 1.01
CIElCh	74, 34.406, 178.325
Yxy	46.1439, 0.2579, 0.3589
Android (android.graphics.Color)	4284597938 (0xFF61C6B2)
YUV	165.5210, 6.1521, -60.0929
Hunter-Lab	67.9293, -31.7452, 4.5483

Details

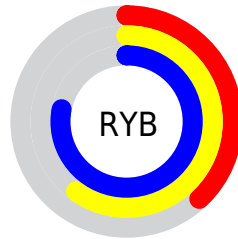
The Yxy color **46.1439, 0.2579, 0.3589** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8419, 0.4272, 0.3031**, and the grayscale version is **37.8802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3305, 0.2675, 0.3528**, and **21.7505, 0.2428, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **45.0349, 0.2512, 0.3659**, and if you desaturate by 10%, it is **47.5325, 0.2663, 0.3522**.

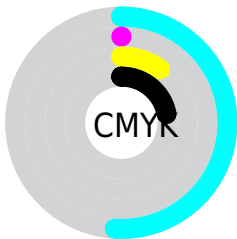
Distribution



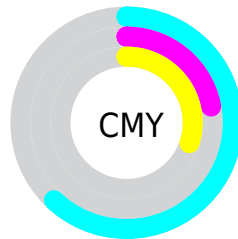
- Red (38%)
- Green (78%)
- Blue (70%)



- Red (38%)
- Yellow (60%)
- Blue (78%)



- Cyan (51%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)



- Cyan (62%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1439, 0.2579, 0.3589 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 46.1439, 0.2579, 0.3589 by changing the saturation by 10% instead.

■ 46.1439, 0.2579,
0.3589

■ 46.1439, 0.2579,
0.3589

■ 371.3869, 0.2852,
0.3439

■ 32.3594, 0.2511,
0.3626

■ 84.4343, 0.2678,
0.3535

■ 21.6362, 0.2424,
0.3674

■ 109.7090, 0.2715,
0.3514

■ 13.5898, 0.2309,
0.3738

■ 139.5826, 0.2747,
0.3497

■ 7.8359, 0.2150,
0.3827

■ 174.4394, 0.2774,
0.3482

■ 3.9901, 0.1917,
0.3959

■ 214.6638, 0.2798,
0.3469

■ 1.6680, 0.1498,
0.4197

■ 260.6403, 0.2818,

■ 0.4028, 0.0000,

0.3458

0.5224

312.7532, 0.2836,
0.3448

0.0000, 0.0000,
0.0000

46.1439, 0.2579,
0.3589

46.1439, 0.2579,
0.3589

45.0349, 0.2512,
0.3659

47.5325, 0.2663,
0.3522

44.1794, 0.2463,
0.3730

49.2136, 0.2761,
0.3459

43.5557, 0.2434,
0.3802

51.2061, 0.2871,
0.3399

43.1357, 0.2424,
0.3874

53.5256, 0.2990,
0.3345

42.8850, 0.2427,
0.3938

56.1864, 0.3114,
0.3295

■ 59.2024, 0.3242,
0.3250

■ 62.5864, 0.3371,
0.3210

■ 66.2730, 0.3496,
0.3174

■ 66.4703, 0.3465,
0.3134

Harmonies

Analogous

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



46.1439, 0.3001, 0.4000



46.1439, 0.2579, 0.3589



46.1439, 0.2314, 0.3110

Triad

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



46.1439, 0.2579, 0.3589



46.1439, 0.2732, 0.2539



46.1439, 0.4083, 0.3745

Complementary

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



46.1439, 0.2579, 0.3589



21.8419, 0.4272, 0.3031

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.



46.1439, 0.4012, 0.3366



46.1439, 0.2579, 0.3589



46.1439, 0.3198, 0.2702

Square

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



46.1439, 0.2579, 0.3589



46.1439, 0.2398, 0.2543



46.1439, 0.3678, 0.2996



46.1439, 0.3879, 0.4049

Rectangle

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



46.1439, 0.2579, 0.3589



46.1439, 0.2249, 0.2842



46.1439, 0.3678, 0.2996



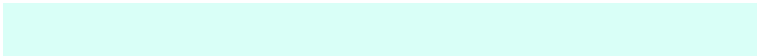
46.1439, 0.4092, 0.3623

Sweetspot

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



46.1457, 0.2579, 0.3589



92.9746, 0.2939, 0.3367



45.0497, 0.3188, 0.4833



19.7131, 0.2914, 0.3379



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.



46.1457, 0.2579, 0.3589



79.5887, 0.2507, 0.3665



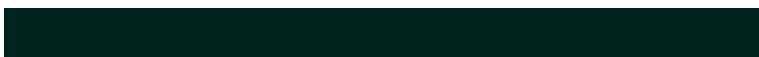
34.5156, 0.2380, 0.2826



12.0301, 0.3010, 0.3336



27.9000, 0.2425, 0.3929



1.3305, 0.2383, 0.3780

Inverse Universe

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



21.8419, 0.4272, 0.3031



31.8886, 0.4678, 0.2996



28.1273, 0.4341, 0.3691



10.6707, 0.3259, 0.3244



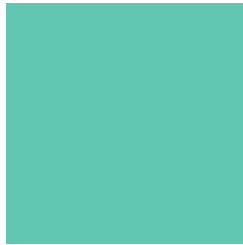
7.9139, 0.6060, 0.3112



0.3852, 0.5482, 0.2794

Previews

White Background



This preview shows how the Yxy color 46.1439, 0.2579, 0.3589 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 46.1439, 0.2579, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

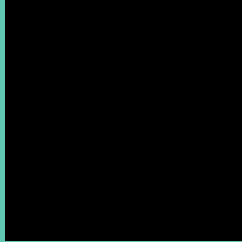
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

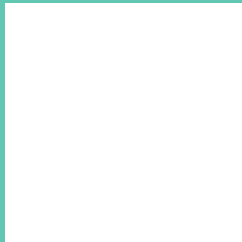
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1439, 0.2579, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 46.1439, 0.2579, 0.3589.

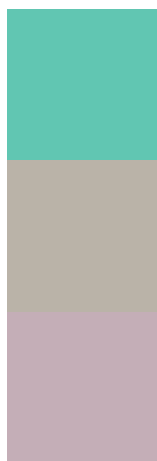


This preview shows how white text looks on a background with the Yxy color 46.1439, 0.2579, 0.3589.

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

46.1439, 0.2579, 0.3589

Protanopia

45.5065, 0.3279, 0.3435

Deuteranopia

45.4268, 0.3248, 0.3177



Tritanopia

45.8692, 0.2447, 0.3063

Trichromacy



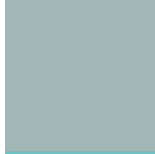
Original Color

46.1439, 0.2579, 0.3589



Protanomaly

44.9664, 0.2972, 0.3486



Deuteranomaly

44.6768, 0.2953, 0.3317



Tritanomaly

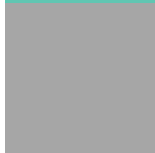
45.9910, 0.2491, 0.3245

Monochromacy



Original Color

46.1439, 0.2579, 0.3589



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.4058, 0.2880, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1439, 0.2579, 0.3589 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(97, 198, 178)` looks like.

```
.text, #text, p{  
    color:rgb(97, 198, 178)  
}
```

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(97, 198, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 198, 178) }
```

Border

The CSS property to change the border of an element to Yxy 46.1439, 0.2579, 0.3589 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(97, 198, 178) }
```

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

```
.border{ border-color:rgb(97, 198, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 198, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 198, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 198, 178);  
box-shadow:4px 4px 4px 4px rgb(97, 198,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1439, 0.2579, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 198, 178) }
```

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

```
.background{ background-color: rgb(97, 198,  
178) }
```

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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