

Converting Colors

$Y_{xy}(46.9740, 0.2636, 0.3575)$

Have a look what the booklet for
Yxy(46.9740, 0.2636, 0.3575)
contains.

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Color

Yxy(46.8941, 0.2636, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	6DC6B3
RGB	109, 198, 179
RGB Percent	43%, 78%, 70%
CMY	0.5726, 0.2235, 0.2981
CMYK	0.45, 0.00, 0.10, 0.22
HSL	167°, 44%, 60%
HSV	167°, 45%, 78%
XYZ	34.6351, 46.8941, 49.8636
YIQ	169.2230, -46.9450, -24.7770

Conversions

Conversions Part 2

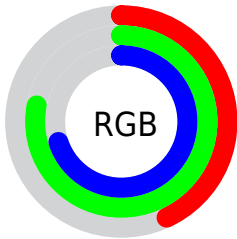
Format	Color
RYB	109, 159, 198
Decimal	7194291
CIELab	74.12, -31.32, 1.22
CIELCh	74, 31.348, 177.764
Yxy	46.8941, 0.2636, 0.3569
Android (android.graphics.Color)	4285384371 (0xFF6DC6B3)
YUV	169.2230, 4.8201, -52.8156
Hunter-Lab	68.4793, -29.5578, 4.7631

Details

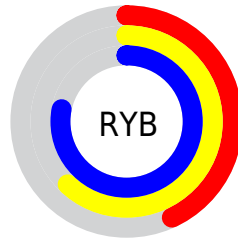
The Yxy color **46.8941, 0.2636, 0.3569** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.5018, 0.4052, 0.3040**, and the grayscale version is **39.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5175, 0.2723, 0.3513**, and **22.1829, 0.2503, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **45.6099, 0.2560, 0.3643**, and if you desaturate by 10%, it is **48.4701, 0.2728, 0.3499**.

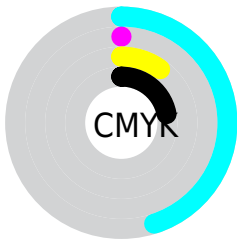
Distribution



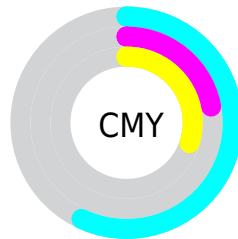
- Red (43%)
- Green (78%)
- Blue (70%)



- Red (43%)
- Yellow (62%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (57%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8941, 0.2636, 0.3569 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 46.8941, 0.2636, 0.3569 by changing the saturation by 10% instead.


 46.8941, 0.2636,
0.3569

 46.8941, 0.2636,
0.3569

374.3917, 0.2881,
0.3429

 32.9519, 0.2575,
0.3604


 85.5555, 0.2725,
0.3518

 22.0896, 0.2498,
0.3649


 111.0436, 0.2758,
0.3499

 13.9228, 0.2395,
0.3708


 141.1491, 0.2786,
0.3483

 8.0670, 0.2253,
0.3792

 176.2564, 0.2810,
0.3469

 4.1378, 0.2043,
0.3915

216.7499, 0.2832,
0.3457

 1.7510, 0.1698,
0.4123

263.0140, 0.2850,

 0.4563, 0.0000,

0.3447

0.5259

315.4331, 0.2866,
0.3438

0.0000, 0.0000,
0.0000

46.8941, 0.2636,
0.3569

46.8941, 0.2636,
0.3569

45.6099, 0.2560,
0.3643

48.4701, 0.2728,
0.3499

44.5927, 0.2501,
0.3719

50.3498, 0.2832,
0.3433

43.8226, 0.2461,
0.3797


52.5511, 0.2945,
0.3372


43.2746, 0.2441,
0.3876


55.0890, 0.3066,
0.3316


42.9181, 0.2439,
0.3954

57.9775, 0.3190,
0.3265

 42.7808, 0.2443,
0.3993

 61.2298, 0.3317,
0.3220

 64.8584, 0.3443,
0.3180

 66.4470, 0.3469,
0.3139

 66.6645, 0.3436,
0.3096

Harmonies

Analogous

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



46.8941, 0.3024, 0.3933



46.8941, 0.2636, 0.3569



46.8941, 0.2388, 0.3138

Triad

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



46.8941, 0.2636, 0.3569



46.8941, 0.2762, 0.2601



46.8941, 0.3995, 0.3704

Complementary

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



46.8941, 0.2636, 0.3569



24.5018, 0.4052, 0.3040

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.



46.8941, 0.3924, 0.3357



46.8941, 0.2636, 0.3569



46.8941, 0.3185, 0.2749

Square

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



46.8941, 0.2636, 0.3569



46.8941, 0.2458, 0.2611



46.8941, 0.3619, 0.3017



46.8941, 0.3817, 0.3978

Rectangle

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



46.8941, 0.2636, 0.3569



46.8941, 0.2326, 0.2892



46.8941, 0.3619, 0.3017



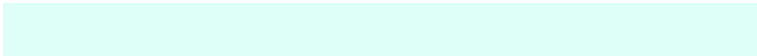
46.8941, 0.4001, 0.3592

Sweetspot

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



46.8960, 0.2636, 0.3569



93.7979, 0.2966, 0.3361



46.1061, 0.3200, 0.4625



19.8738, 0.2940, 0.3374



0.0000, 0.0000, 0.0000



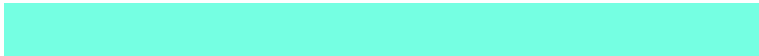
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8960, 0.2636, 0.3569



80.7901, 0.2561, 0.3642



37.1337, 0.2463, 0.2913



12.0272, 0.3012, 0.3340



27.8324, 0.2440, 0.3982



1.3278, 0.2395, 0.3821

Inverse Universe

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



24.5018, 0.4052, 0.3040



36.1507, 0.4381, 0.2995



30.2203, 0.4154, 0.3628



10.6734, 0.3257, 0.3241



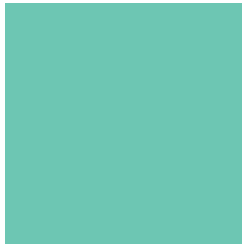
7.9283, 0.6017, 0.3088



0.3864, 0.5425, 0.2762

Previews

White Background



This preview shows how the Yxy color 46.8941, 0.2636, 0.3569 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 46.8941, 0.2636, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

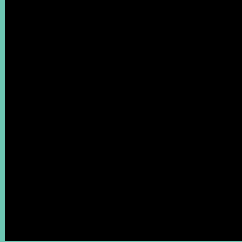
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

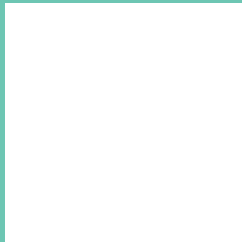
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8941, 0.2636, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 46.8941, 0.2636, 0.3569.

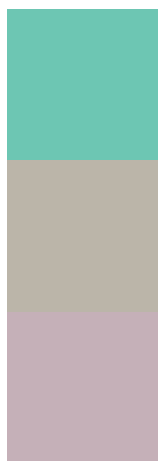


This preview shows how white text looks on a background with the Yxy color 46.8941, 0.2636, 0.3569.

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

46.8941, 0.2636, 0.3569

Protanopia

46.4771, 0.3277, 0.3447

Deuteranopia

46.3817, 0.3246, 0.3190



Tritanopia

46.9689, 0.2501, 0.3080

Trichromacy



Original Color

46.8941, 0.2636, 0.3569

Protanomaly

45.9287, 0.3004, 0.3483

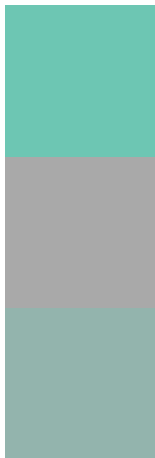
Deuteranomaly

45.6577, 0.2986, 0.3317

Tritanomaly

46.6848, 0.2548, 0.3246

Monochromacy



Original Color

46.8941, 0.2636, 0.3569

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.8627, 0.2907, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8941, 0.2636, 0.3569 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(109, 198, 179)` looks like.

```
.text, #text, p{  
    color:rgb(109, 198, 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(109, 198, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 198, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.8941, 0.2636, 0.3569 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(109, 198, 179) }
```

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

```
.border{ border-color:rgb(109, 198, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 198, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 198, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 198, 179);  
box-shadow:4px 4px 4px 4px rgb(109, 198,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8941, 0.2636, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 198, 179) }
```

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

```
.background{ background-color: rgb(109,  
198, 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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