

Converting Colors

$Yxy(46.0647, 0.2644, 0.3540)$

Have a look what the booklet for
Yxy(46.0647, 0.2644, 0.3540)
contains.

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Color

Yxy(46.1140, 0.2643, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	6FC4B3
RGB	111, 196, 179
RGB Percent	44%, 77%, 70%
CMY	0.5647, 0.2313, 0.2981
CMYK	0.43, 0.00, 0.09, 0.23
HSL	168°, 42%, 60%
HSV	168°, 43%, 77%
XYZ	34.4292, 46.1140, 49.7224
YIQ	168.6470, -45.2030, -23.3070

Conversions

Conversions Part 2

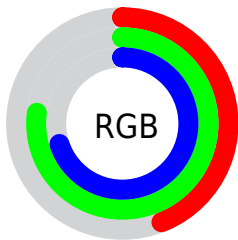
Format	Color
RYB	111, 158, 196
Decimal	7324851
CIELab	73.62, -29.87, 0.50
CIElCh	74, 29.872, 179.037
Yxy	46.1140, 0.2643, 0.3540
Android (android.graphics.Color)	4285514931 (0xFF6FC4B3)
YUV	168.6470, 5.1040, -50.5564
Hunter-Lab	67.9073, -28.3378, 4.1224

Details

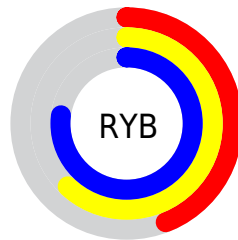
The Yxy color **46.1140, 0.2643, 0.3540** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.6625, 0.4019, 0.3064**, and the grayscale version is **39.4829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4642, 0.2730, 0.3491**, and **21.6646, 0.2510, 0.3622** is the 20% darker color. If you saturate the color by 10%, you get **44.8244, 0.2563, 0.3608**, and if you desaturate by 10%, it is **47.6908, 0.2738, 0.3475**.

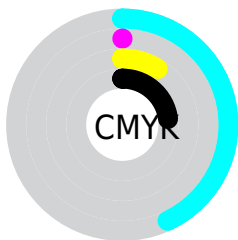
Distribution



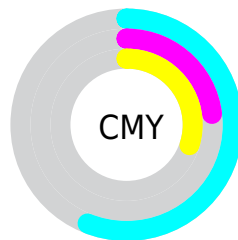
- Red (44%)
- Green (77%)
- Blue (70%)



- Red (44%)
- Yellow (62%)
- Blue (77%)



- Cyan (43%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (56%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1140, 0.2643, 0.3540 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 46.1140, 0.2643, 0.3540 by changing the saturation by 10% instead.


 46.1140, 0.2643,
0.3540

 46.1140, 0.2643,
0.3540

371.2668, 0.2885,
0.3415


 32.3358, 0.2583,
0.3571


 84.3896, 0.2731,
0.3495

 21.6181, 0.2506,
0.3611


 109.6557, 0.2764,
0.3478

 13.5766, 0.2404,
0.3664


 139.5200, 0.2791,
0.3463

 7.8268, 0.2263,
0.3738

174.3668, 0.2815,
0.3451

 3.9843, 0.2054,
0.3848

214.5805, 0.2836,
0.3440

 1.6648, 0.1705,
0.4032

260.5454, 0.2854,

 0.4007, 0.0000,

0.3431

0.4997

312.6461, 0.2870,
0.3422

0.0000, 0.0000,
0.0000

46.1140, 0.2643,
0.3540

46.1140, 0.2643,
0.3540

44.8244, 0.2563,
0.3608

47.6908, 0.2738,
0.3475

43.7979, 0.2500,
0.3679

49.5660, 0.2845,
0.3414

43.0157, 0.2456,
0.3752


51.7570, 0.2962,
0.3358

42.4539, 0.2432,
0.3825

54.2781, 0.3085,
0.3306


42.0840, 0.2426,
0.3897


57.1429, 0.3212,
0.3260

 41.9089, 0.2429,
0.3945

 60.3642, 0.3340,
0.3218

 63.9540, 0.3468,
0.3181

 65.4155, 0.3492,
0.3143

 65.6141, 0.3461,
0.3104

Harmonies

Analogous

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



46.1140, 0.3012, 0.3893



46.1140, 0.2643, 0.3540



46.1140, 0.2411, 0.3129

Triad

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



46.1140, 0.2643, 0.3540



46.1140, 0.2793, 0.2631



46.1140, 0.3956, 0.3703

Complementary

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



46.1140, 0.2643, 0.3540



24.6625, 0.4019, 0.3064

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.



46.1140, 0.3898, 0.3371



46.1140, 0.2643, 0.3540



46.1140, 0.3201, 0.2778

Square

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



46.1140, 0.2643, 0.3540



46.1140, 0.2494, 0.2634



46.1140, 0.3615, 0.3041



46.1140, 0.3778, 0.3959

Rectangle

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



46.1140, 0.2643, 0.3540



46.1140, 0.2356, 0.2897



46.1140, 0.3615, 0.3041



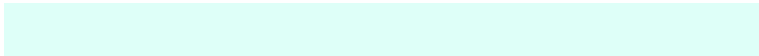
46.1140, 0.3965, 0.3596

Sweetspot

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



46.1158, 0.2643, 0.3540



93.8256, 0.2964, 0.3357



45.3300, 0.3199, 0.4571



19.8807, 0.2937, 0.3369



0.0000, 0.0000, 0.0000



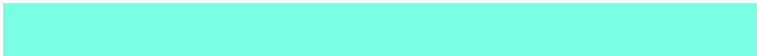
21.4041, 0.3127, 0.3290

Same Dimension

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



46.1158, 0.2643, 0.3540



81.3128, 0.2567, 0.3605



36.8390, 0.2485, 0.2929



11.3928, 0.3010, 0.3336



26.9386, 0.2426, 0.3935



1.1729, 0.2382, 0.3774

Inverse Universe

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



24.6625, 0.4019, 0.3064



37.4461, 0.4331, 0.3022



30.2341, 0.4104, 0.3616



10.1101, 0.3258, 0.3244



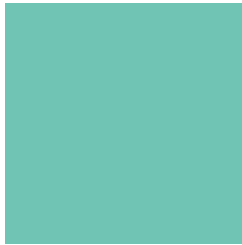
7.6460, 0.6051, 0.3107



0.3404, 0.5435, 0.2767

Previews

White Background



This preview shows how the Yxy color 46.1140, 0.2643, 0.3540 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 46.1140, 0.2643, 0.3540 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

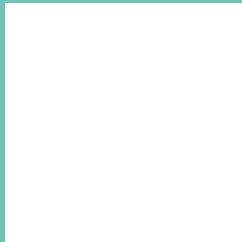
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1140, 0.2643, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 46.1140, 0.2643, 0.3540.

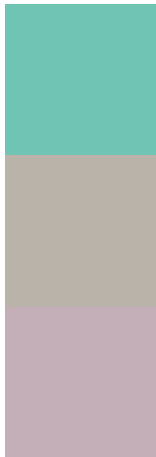


This preview shows how white text looks on a background with the Yxy color 46.1140, 0.2643, 0.3540.

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

46.1140, 0.2643, 0.3540

Protanopia

45.5816, 0.3262, 0.3408

Deuteranopia

45.4686, 0.3240, 0.3164



Tritanopia

46.1262, 0.2518, 0.3079

Trichromacy



Original Color

46.1140, 0.2643, 0.3540

Protanomaly

45.0860, 0.3004, 0.3456

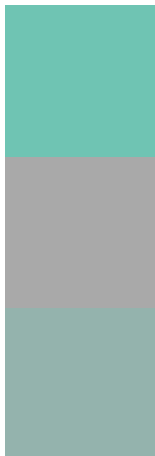
Deuteranomaly

44.8326, 0.2986, 0.3290

Tritanomaly

45.8841, 0.2560, 0.3231

Monochromacy



Original Color

46.1140, 0.2643, 0.3540

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.5532, 0.2914, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1140, 0.2643, 0.3540 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(111, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(111, 196, 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(111, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 196, 179) }
```

Border

The CSS property to change the border of an element to Yxy 46.1140, 0.2643, 0.3540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

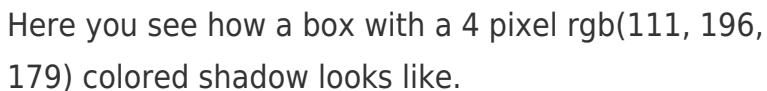
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 196, 179) }
```

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

```
.border{ border-color:rgb(111, 196, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 196, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 196, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 196, 179);  
box-shadow:4px 4px 4px 4px rgb(111, 196,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1140, 0.2643, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 196, 179) }
```

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

```
.background{ background-color: rgb(111,  
196, 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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