

Converting Colors

$Y_{xy}(47.1968, 0.2534, 0.3180)$

Have a look what the booklet for
Yxy(47.1968, 0.2534, 0.3180)
contains.

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Color

Yxy(47.0550, 0.2531, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	74C3CB
RGB	116, 195, 203
RGB Percent	45%, 76%, 80%
CMY	0.5450, 0.2353, 0.2039
CMYK	0.43, 0.04, 0.00, 0.20
HSL	186°, 46%, 63%
HSV	186°, 43%, 80%
XYZ	37.4988, 47.0550, 63.6043
YIQ	172.2910, -49.6520, -14.2600

Conversions

Conversions Part 2

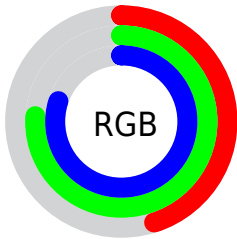
Format	Color
RYB	116, 157, 203
Decimal	7652299
CIELab	74.22, -22.18, -11.63
CIELCh	74, 25.047, 207.661
Yxy	47.0550, 0.2531, 0.3176
Android (android.graphics.Color)	4285842379 (0xFF74C3CB)
YUV	172.2910, 15.1395, -49.3672
Hunter-Lab	68.5966, -22.4659, -6.9573

Details

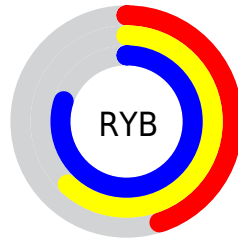
The Yxy color **47.0550, 0.2531, 0.3176** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3787, 0.4189, 0.3397**, and the grayscale version is **41.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6115, 0.2657, 0.3256**, and **22.1495, 0.2369, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **44.9827, 0.2425, 0.3145**, and if you desaturate by 10%, it is **49.4454, 0.2653, 0.3205**.

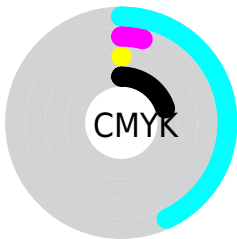
Distribution



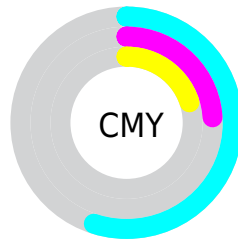
- Red (45%)
- Green (76%)
- Blue (80%)



- Red (45%)
- Yellow (62%)
- Blue (80%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (55%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0550, 0.2531, 0.3176 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 47.0550, 0.2531, 0.3176 by changing the saturation by 10% instead.


 47.0550, 0.2531,
0.3176

 47.0550, 0.2531,
0.3176


375.0340, 0.2823,
0.3239


 33.0791, 0.2460,
0.3158


 85.7957, 0.2635,
0.3200

 22.1871, 0.2371,
0.3135


 111.3294, 0.2675,
0.3209

 13.9944, 0.2255,
0.3102


 141.4844, 0.2709,
0.3216

 8.1168, 0.2098,
0.3052

176.6452, 0.2738,
0.3222

 4.1698, 0.1874,
0.2973

217.1961, 0.2763,
0.3228

 1.7690, 0.1536,
0.2829

263.5217, 0.2785,

 0.4677, 0.0000,

0.3232

0.2547

316.0062, 0.2805,
0.3236

0.0000, 0.0000,
0.0000

47.0550, 0.2531,
0.3176

47.0550, 0.2531,
0.3176

44.9827, 0.2425,
0.3145

49.4454, 0.2653,
0.3205

43.2029, 0.2336,
0.3114

52.1666, 0.2788,
0.3233

41.6951, 0.2265,
0.3082

55.2373, 0.2932,
0.3259

40.4335, 0.2214,
0.3051

58.6730, 0.3083,
0.3284

39.3869, 0.2182,
0.3019

62.4886, 0.3239,
0.3305

■ 38.7304, 0.2166,
0.2997

■ 66.6977, 0.3395,
0.3325

■ 70.7165, 0.3526,
0.3343

■ 71.6325, 0.3523,
0.3362

■ 72.5593, 0.3519,
0.3381

Harmonies

Analogous

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



47.0550, 0.2735, 0.3514



47.0550, 0.2531, 0.3176



47.0550, 0.2479, 0.2897

Triad

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



47.0550, 0.2531, 0.3176



47.0550, 0.3175, 0.2850



47.0550, 0.3683, 0.3844

Complementary

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



47.0550, 0.2531, 0.3176



28.3787, 0.4189, 0.3397

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.



47.0550, 0.3820, 0.3631



47.0550, 0.2531, 0.3176



47.0550, 0.3519, 0.3071

Square

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



47.0550, 0.2531, 0.3176



47.0550, 0.2835, 0.2730



47.0550, 0.3761, 0.3350



47.0550, 0.3398, 0.3915

Rectangle

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



47.0550, 0.2531, 0.3176



47.0550, 0.2533, 0.2778



47.0550, 0.3761, 0.3350



47.0550, 0.3748, 0.3785

Sweetspot

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



47.0568, 0.2531, 0.3176



92.3163, 0.2927, 0.3259



47.8627, 0.3022, 0.4499



19.5031, 0.2894, 0.3253



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.



47.0568, 0.2531, 0.3176



75.7019, 0.2436, 0.3149



30.5685, 0.2424, 0.2533



12.5437, 0.2983, 0.3268



24.7192, 0.2167, 0.3002



1.3279, 0.2184, 0.3062

Inverse Universe

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



29.1329, 0.3259, 0.2331



42.3881, 0.3291, 0.2155



41.5071, 0.3942, 0.3937



11.3853, 0.3152, 0.3082



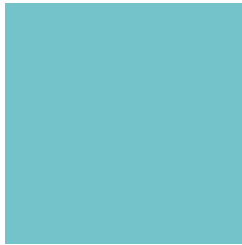
10.2984, 0.3453, 0.1676



0.5366, 0.3400, 0.1646

Previews

White Background



This preview shows how the Yxy color 47.0550, 0.2531, 0.3176 looks on a white background.

Color Contrast Check

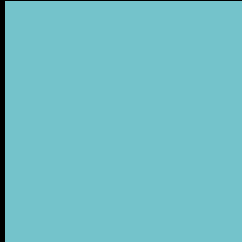
Large Text (above 18pt) WCAG AA × Fail

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 47.0550, 0.2531, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

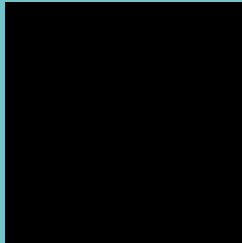
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

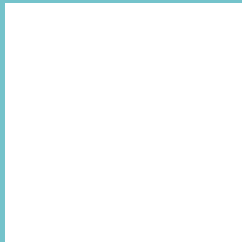
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0550, 0.2531, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 47.0550, 0.2531, 0.3176.

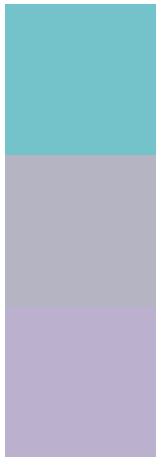


This preview shows how white text looks on a background with the Yxy color 47.0550, 0.2531, 0.3176.

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

47.0550, 0.2531, 0.3176

Protanopia

46.3613, 0.3026, 0.3110

Deuteranopia

46.5141, 0.2977, 0.2916



Tritanopia

47.0883, 0.2501, 0.3067

Trichromacy



Original Color

47.0550, 0.2531, 0.3176

Protanomaly

45.8972, 0.2817, 0.3128

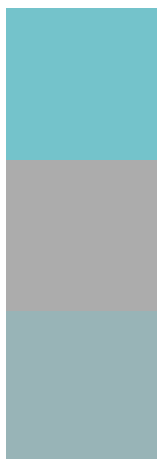
Deuteranomaly

46.3143, 0.2784, 0.3000

Tritanomaly

46.8705, 0.2512, 0.3107

Monochromacy



Original Color

47.0550, 0.2531, 0.3176

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.7368, 0.2873, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0550, 0.2531, 0.3176 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(116, 195, 203)` looks like.

```
.text, #text, p{  
    color:rgb(116, 195, 203)  
}
```

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(116, 195, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 195, 203) }
```

Border

The CSS property to change the border of an element to Yxy 47.0550, 0.2531, 0.3176 is called "border". The border property can be set on classes, ids or directly on the HTML element.

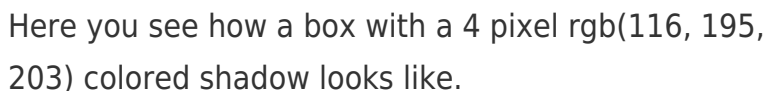
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 195, 203) }
```

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

```
.border{ border-color:rgb(116, 195, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 195, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 195, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 195, 203); box-shadow:4px 4px 4px 4px rgb(116, 195, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0550, 0.2531, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 195, 203) }
```

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

```
.background{ background-color: rgb(116,  
195, 203) }
```

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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