

Converting Colors

$Yxy(47.4766, 0.2411, 0.3127)$

Have a look what the booklet for
Yxy(47.4766, 0.2411, 0.3127)
contains.

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Color

Yxy(47.5330, 0.2414, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	61C6D1
RGB	97, 198, 209
RGB Percent	38%, 78%, 82%
CMY	0.6199, 0.2235, 0.1804
CMYK	0.54, 0.05, 0.00, 0.18
HSL	186°, 55%, 60%
HSV	186°, 54%, 82%
XYZ	36.6245, 47.5330, 67.5597
YIQ	169.0550, -63.7270, -17.9910

Conversions

Conversions Part 2

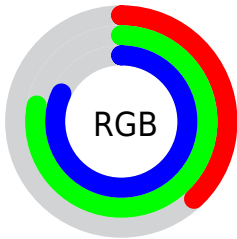
Format	Color
R_{YB}	97, 150, 209
Decimal	6407889
CIE Lab	74.53, -26.37, -14.50
CIE LCh	75, 30.093, 208.804
Yxy	47.5330, 0.2414, 0.3133
Android (android.graphics.Color)	4284597969 (0xFF61C6D1)
YUV	169.0550, 19.6929, -63.1922
Hunter-Lab	68.9442, -25.8295, -9.8384

Details

The Yxy color **47.5330, 0.2414, 0.3133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1184, 0.4613, 0.3428**, and the grayscale version is **39.6199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **22.5461, 0.2227, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **45.6057, 0.2326, 0.3099**, and if you desaturate by 10%, it is **49.7789, 0.2520, 0.3166**.

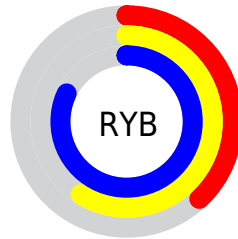
Distribution



Red (38%)

Green (78%)

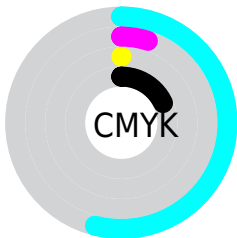
Blue (82%)



Red (38%)

Yellow (59%)

Blue (82%)

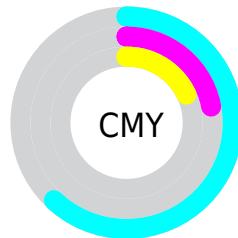


Cyan (54%)

Magenta (5%)

Yellow (0%)

Black (18%)



Cyan (62%)

Magenta (22%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5330, 0.2414, 0.3133 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 47.5330, 0.2414, 0.3133 by changing the saturation by 10% instead.

■ 47.5330, 0.2414,
0.3133

■ 47.5330, 0.2414,
0.3133

■ 376.9381, 0.2760,
0.3220

■ 33.4572, 0.2331,
0.3109

■ 86.5087, 0.2537,
0.3167

■ 22.4769, 0.2227,
0.3076

■ 112.1774, 0.2584,
0.3179

■ 14.2078, 0.2093,
0.3031

■ 142.4791, 0.2624,
0.3189

■ 8.2653, 0.1913,
0.2964

■ 177.7984, 0.2659,
0.3197

■ 4.2652, 0.1663,
0.2858

■ 218.5195, 0.2689,
0.3204

■ 1.8230, 0.1298,
0.2670

■ 265.0269, 0.2716,

■ 0.5014, 0.0000,

0.3210

0.2288

317.7049, 0.2739,
0.3216

■ 0.0000, 0.0000,
0.0000

■ 47.5330, 0.2414,
0.3133

■ 47.5330, 0.2414,
0.3133

■ 45.6057, 0.2326,
0.3099

■ 49.7789, 0.2520,
0.3166

■ 43.9671, 0.2256,
0.3065

■ 52.3596, 0.2641,
0.3197

■ 42.5909, 0.2206,
0.3032

■ 55.2966, 0.2776,
0.3227

■ 41.4432, 0.2174,
0.2998

■ 58.6082, 0.2920,
0.3255

■ 40.7932, 0.2160,
0.2977

■ 62.3112, 0.3071,
0.3281

■ 66.4215, 0.3226,
0.3305

■ 70.9540, 0.3383,
0.3326

■ 74.1537, 0.3470,
0.3346

■ 75.1989, 0.3466,
0.3367

Harmonies

Analogous

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



47.5330, 0.2647, 0.3542



47.5330, 0.2414, 0.3133



47.5330, 0.2361, 0.2807

Triad

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



47.5330, 0.2414, 0.3133



47.5330, 0.3198, 0.2778



47.5330, 0.3778, 0.3956

Complementary

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



47.5330, 0.2414, 0.3133



25.1184, 0.4613, 0.3428

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.



47.5330, 0.3955, 0.3700



47.5330, 0.2414, 0.3133



47.5330, 0.3610, 0.3040

Square

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



47.5330, 0.2414, 0.3133



47.5330, 0.2791, 0.2632



47.5330, 0.3895, 0.3368



47.5330, 0.3430, 0.4043

Rectangle

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



47.5330, 0.2414, 0.3133



47.5330, 0.2429, 0.2674



47.5330, 0.3895, 0.3368



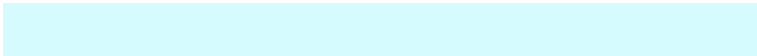
47.5330, 0.3860, 0.3885

Sweetspot

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



47.5348, 0.2414, 0.3133



90.5431, 0.2882, 0.3248



49.1795, 0.3000, 0.4864



19.1447, 0.2852, 0.3243



0.0000, 0.0000, 0.0000



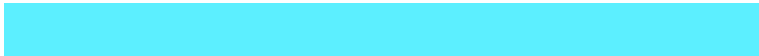
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5348, 0.2414, 0.3133



71.2274, 0.2317, 0.3096



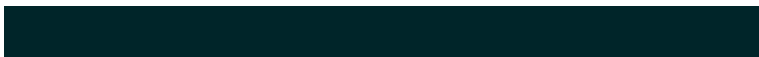
26.9699, 0.2243, 0.2296



13.2009, 0.2983, 0.3267



25.2353, 0.2162, 0.2982



1.4697, 0.2179, 0.3043

Inverse Universe

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



26.1661, 0.3306, 0.2123



35.1126, 0.3350, 0.1940



40.3599, 0.4197, 0.4090



11.9883, 0.3153, 0.3083



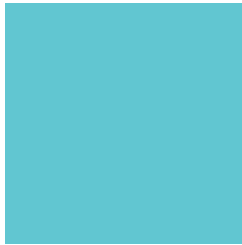
10.6188, 0.3470, 0.1685



0.5997, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 47.5330, 0.2414, 0.3133 looks on a white background.

Color Contrast Check

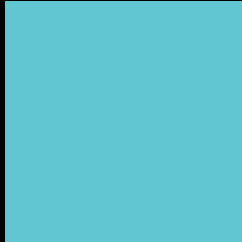
Large Text (above 18pt) WCAG AA × Fail

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 47.5330, 0.2414, 0.3133 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 47.5330, 0.2414, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 47.5330, 0.2414, 0.3133.

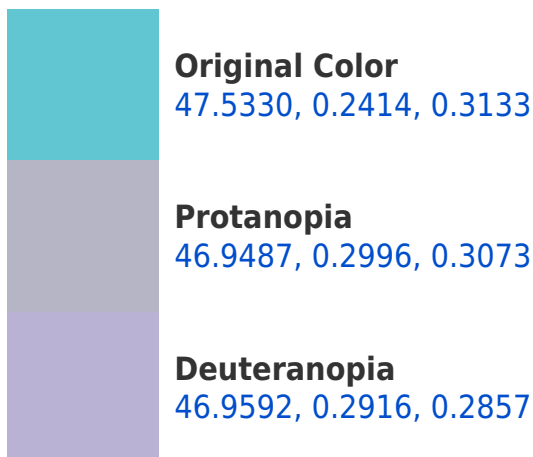


This preview shows how white text looks on a background with the Yxy color 47.5330, 0.2414, 0.3133.

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





Tritanopia

47.3892, 0.2400, 0.3064

Trichromacy



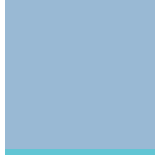
Original Color

47.5330, 0.2414, 0.3133



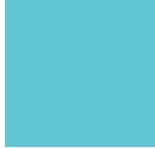
Protanomaly

46.2889, 0.2735, 0.3087



Deuteranomaly

46.2237, 0.2689, 0.2934



Tritanomaly

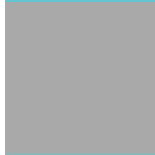
47.2826, 0.2401, 0.3078

Monochromacy



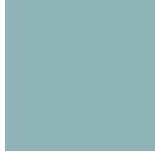
Original Color

47.5330, 0.2414, 0.3133



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.9428, 0.2797, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5330, 0.2414, 0.3133 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(97, 198, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 198, 209) }
```

Border

The CSS property to change the border of an element to Yxy 47.5330, 0.2414, 0.3133 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, 209) }
```

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

```
.border{ border-color:rgb(97, 198, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(97, 198,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5330, 0.2414, 0.3133 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, 209) }
```

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

```
.background{ background-color: rgb(97, 198,  
209) }
```

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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