

Converting Colors

$Y_{xy}(42.1187, 0.2435, 0.3143)$

Have a look what the booklet for
Yxy(42.1187, 0.2435, 0.3143)
contains.

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Color

Yxy(42.0048, 0.2434, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	5FBBC5
RGB	95, 187, 197
RGB Percent	37%, 73%, 77%
CMY	0.6277, 0.2666, 0.2275
CMYK	0.52, 0.05, 0.00, 0.23
HSL	186°, 47%, 57%
HSV	186°, 52%, 77%
XYZ	32.5604, 42.0048, 59.2080
YIQ	160.6320, -58.0420, -16.3940

Conversions

Conversions Part 2

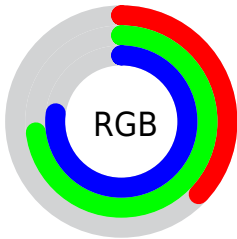
Format	Color
RYB	95, 143, 197
Decimal	6273989
CIELab	70.87, -24.60, -13.46
CIElCh	71, 28.045, 208.683
Yxy	42.0048, 0.2434, 0.3140
Android (android.graphics.Color)	4284464069 (0xFF5FBBC5)
YUV	160.6320, 17.9294, -57.5593
Hunter-Lab	64.8111, -23.7430, -8.7965

Details

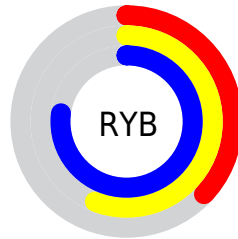
The Yxy color **42.0048, 0.2434, 0.3140** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.7764, 0.4529, 0.3424**, and the grayscale version is **35.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0292, 0.2558, 0.3164**, and **19.0194, 0.2241, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **40.2710, 0.2342, 0.3107**, and if you desaturate by 10%, it is **44.0194, 0.2543, 0.3172**.

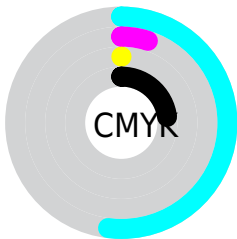
Distribution



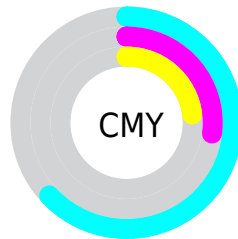
- Red (37%)
- Green (73%)
- Blue (77%)



- Red (37%)
- Yellow (56%)
- Blue (77%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (63%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0048, 0.2434, 0.3140 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 42.0048, 0.2434, 0.3140 by changing the saturation by 10% instead.


 42.0048, 0.2434,
0.3140


 42.0048, 0.2434,
0.3140

354.5028, 0.2778,
0.3225

 29.1051, 0.2350,
0.3116

 78.2069, 0.2558,
0.3173

 19.1603, 0.2242,
0.3083


 102.2780, 0.2605,
0.3185

 11.7862, 0.2101,
0.3036


 130.8417, 0.2645,
0.3195

 6.5982, 0.1909,
0.2965

 164.2824, 0.2679,
0.3203

 3.2121, 0.1634,
0.2848

202.9845, 0.2709,
0.3209

 1.2435, 0.1157,
0.2647

247.3323, 0.2734,

 0.0968, 0.0000,

0.3215

0.0845

297.7103, 0.2757,
0.3220

■ 0.0000, 0.0000,
0.0000

■ 42.0048, 0.2434,
0.3140

■ 42.0048, 0.2434,
0.3140

■ 40.2710, 0.2342,
0.3107

■ 44.0194, 0.2543,
0.3172

■ 38.7926, 0.2269,
0.3073

■ 46.3283, 0.2666,
0.3204

■ 37.5477, 0.2216,
0.3039

■ 48.9501, 0.2802,
0.3233

■ 36.5081, 0.2180,
0.3006

■ 51.9001, 0.2948,
0.3260

■ 35.7672, 0.2161,
0.2979

■ 55.1929, 0.3099,
0.3286

■ 58.8419, 0.3254,
0.3309

■ 62.8600, 0.3410,
0.3329

■ 67.2593, 0.3565,
0.3348

■ 68.6391, 0.3581,
0.3367

Harmonies

Analogous

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



42.0048, 0.2662, 0.3537



42.0048, 0.2434, 0.3140



42.0048, 0.2381, 0.2822

Triad

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



42.0048, 0.2434, 0.3140



42.0048, 0.3195, 0.2791



42.0048, 0.3761, 0.3937

Complementary

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



42.0048, 0.2434, 0.3140



22.7764, 0.4529, 0.3424

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.



42.0048, 0.3931, 0.3688



42.0048, 0.2434, 0.3140



42.0048, 0.3595, 0.3046

Square

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



42.0048, 0.2434, 0.3140



42.0048, 0.2799, 0.2649



42.0048, 0.3872, 0.3366



42.0048, 0.3424, 0.4021

Rectangle

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



42.0048, 0.2434, 0.3140



42.0048, 0.2448, 0.2692



42.0048, 0.3872, 0.3366



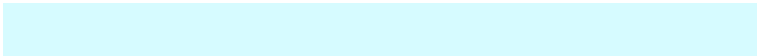
42.0048, 0.3841, 0.3868

Sweetspot

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



42.0064, 0.2434, 0.3140



90.5484, 0.2882, 0.3248



43.3446, 0.3004, 0.4796



19.1460, 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.



42.0064, 0.2434, 0.3140



71.8106, 0.2333, 0.3103



24.4795, 0.2276, 0.2341



11.8835, 0.2984, 0.3267



23.5968, 0.2162, 0.2983



1.1700, 0.2181, 0.3052

Inverse Universe

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



23.6281, 0.3298, 0.2160



36.0554, 0.3342, 0.1970



35.9579, 0.4149, 0.4064



10.7981, 0.3152, 0.3084



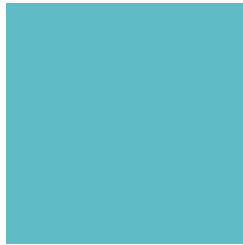
9.9221, 0.3469, 0.1685



0.4751, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 42.0048, 0.2434, 0.3140 looks on a white background.

Color Contrast Check

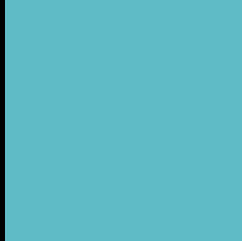
Large Text (above 18pt) WCAG AA × Fail

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 42.0048, 0.2434, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

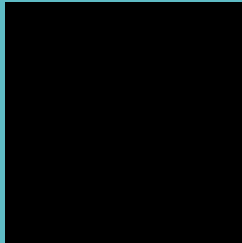
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

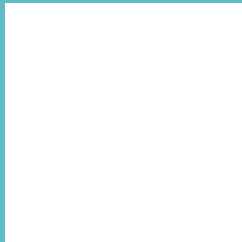
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0048, 0.2434, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 42.0048, 0.2434, 0.3140.

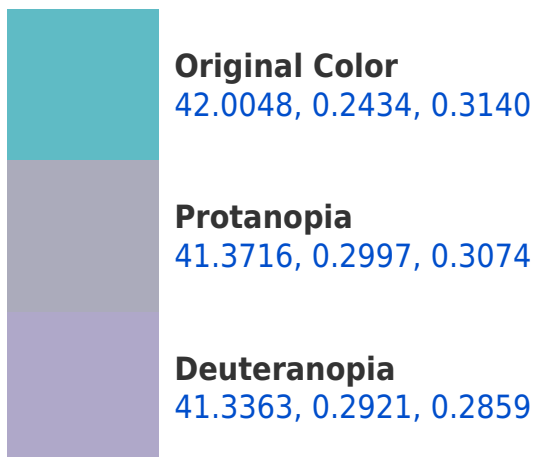


This preview shows how white text looks on a background with the Yxy color 42.0048, 0.2434, 0.3140.

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

41.8217, 0.2415, 0.3067

Trichromacy



Original Color

42.0048, 0.2434, 0.3140

Protanomaly

41.0455, 0.2745, 0.3091

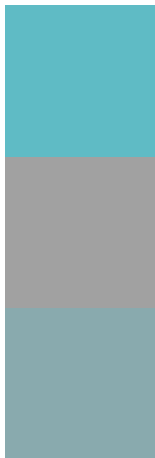
Deuteranomaly

40.9411, 0.2703, 0.2943

Tritanomaly

41.7747, 0.2420, 0.3082

Monochromacy



Original Color

42.0048, 0.2434, 0.3140

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.1238, 0.2812, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0048, 0.2434, 0.3140 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(95, 187, 197)` looks like.

```
.text, #text, p{  
    color:rgb(95, 187, 197)  
}
```

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(95, 187, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 187, 197) }
```

Border

The CSS property to change the border of an element to Yxy 42.0048, 0.2434, 0.3140 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(95, 187, 197) }
```

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

```
.border{ border-color:rgb(95, 187, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 187, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 187, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 187, 197);  
box-shadow:4px 4px 4px 4px rgb(95, 187,  
197) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.0048, 0.2434, 0.3140$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 187, 197) }
```

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

```
.background{ background-color: rgb(95, 187,  
197) }
```

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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