

Converting Colors

$Y_{xy}(42.6953, 0.2410, 0.3157)$

Have a look what the booklet for
Yxy(42.6953, 0.2410, 0.3157)
contains.

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Color

Yxy(42.5963, 0.2407, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	59BDC6
RGB	89, 189, 198
RGB Percent	35%, 74%, 78%
CMY	0.6512, 0.2588, 0.2234
CMYK	0.55, 0.05, 0.00, 0.22
HSL	185°, 49%, 56%
HSV	185°, 55%, 78%
XYZ	32.5077, 42.5963, 59.9508
YIQ	160.1260, -62.4890, -18.4010

Conversions

Conversions Part 2

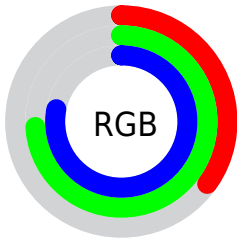
Format	Color
RYB	89, 141, 198
Decimal	5881286
CIELab	71.28, -26.54, -13.44
CIELCh	71, 29.751, 206.857
Yxy	42.5963, 0.2407, 0.3154
Android (android.graphics.Color)	4284071366 (0xFF59BDC6)
YUV	160.1260, 18.6719, -62.3775
Hunter-Lab	65.2658, -25.3077, -8.7756

Details

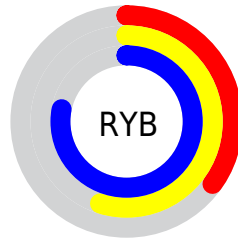
The Yxy color **42.5963, 0.2407, 0.3154** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **21.4559, 0.4681, 0.3409**, and the grayscale version is **35.1424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4274, 0.2536, 0.3187**, and **19.4197, 0.2210, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **41.0470, 0.2323, 0.3126**, and if you desaturate by 10%, it is **44.4202, 0.2509, 0.3182**.

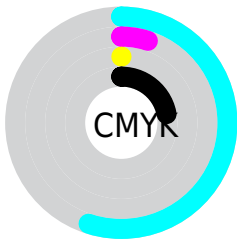
Distribution



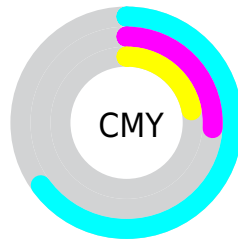
- Red (35%)
- Green (74%)
- Blue (78%)



- Red (35%)
- Yellow (55%)
- Blue (78%)



- Cyan (55%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)




- Cyan (65%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5963, 0.2407, 0.3154 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 42.5963, 0.2407, 0.3154 by changing the saturation by 10% instead.


 42.5963, 0.2407,
0.3154

 42.5963, 0.2407,
0.3154


356.9489, 0.2763,
0.3232


 29.5685, 0.2320,
0.3131


 79.1013, 0.2535,
0.3185


 19.5113, 0.2209,
0.3100


 103.3473, 0.2584,
0.3196

 12.0403, 0.2065,
0.3056


 132.1015, 0.2625,
0.3205

 6.7711, 0.1869,
0.2988

 165.7482, 0.2660,
0.3212

 3.3194, 0.1590,
0.2875

204.6719, 0.2691,
0.3218

 1.3007, 0.1111,
0.2682

249.2570, 0.2718,

 0.1417, 0.0000,

0.3224

0.1141

299.8879, 0.2742,
0.3228

0.0000, 0.0000,
0.0000

42.5963, 0.2407,
0.3154

42.5963, 0.2407,
0.3154

41.0470, 0.2323,
0.3126

44.4202, 0.2509,
0.3182

39.7456, 0.2259,
0.3098

46.5332, 0.2626,
0.3208

38.6688, 0.2213,
0.3069

48.9542, 0.2757,
0.3234

37.7859, 0.2185,
0.3042

51.6995, 0.2899,
0.3257

37.3939, 0.2175,
0.3028

54.7839, 0.3049,
0.3280

■ 58.2214, 0.3203,
0.3300

■ 62.0252, 0.3360,
0.3318

■ 66.2079, 0.3516,
0.3334

■ 68.4022, 0.3574,
0.3350

Harmonies

Analogous

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



42.5963, 0.2656, 0.3576



42.5963, 0.2407, 0.3154



42.5963, 0.2341, 0.2812

Triad

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



42.5963, 0.2407, 0.3154



42.5963, 0.3171, 0.2752



42.5963, 0.3812, 0.3959

Complementary

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



42.5963, 0.2407, 0.3154



21.4559, 0.4681, 0.3409

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.



42.5963, 0.3979, 0.3688



42.5963, 0.2407, 0.3154



42.5963, 0.3598, 0.3013

Square

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



42.5963, 0.2407, 0.3154



42.5963, 0.2758, 0.2612



42.5963, 0.3902, 0.3346



42.5963, 0.3463, 0.4064

Rectangle

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



42.5963, 0.2407, 0.3154



42.5963, 0.2402, 0.2669



42.5963, 0.3902, 0.3346



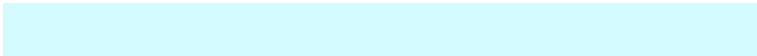
42.5963, 0.3892, 0.3882

Sweetspot

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



42.5979, 0.2407, 0.3154



90.4197, 0.2868, 0.3252



43.3698, 0.3007, 0.4934



19.1368, 0.2839, 0.3248



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.



42.5979, 0.2407, 0.3154



72.1935, 0.2310, 0.3120



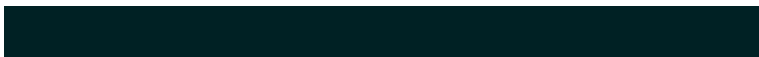
23.8656, 0.2229, 0.2298



11.9117, 0.2984, 0.3270



24.3711, 0.2176, 0.3032



1.1994, 0.2192, 0.3090

Inverse Universe

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



22.8174, 0.3292, 0.2083



34.3839, 0.3332, 0.1893



34.7834, 0.4242, 0.4085



10.8009, 0.3150, 0.3081



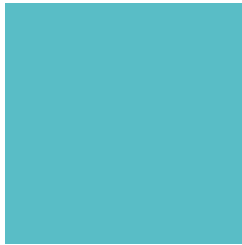
10.0003, 0.3426, 0.1661



0.4781, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 42.5963, 0.2407, 0.3154 looks on a white background.

Color Contrast Check

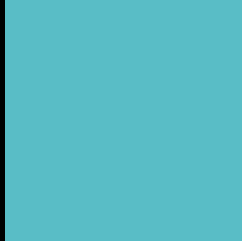
Large Text (above 18pt) WCAG AA × Fail

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 42.5963, 0.2407, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

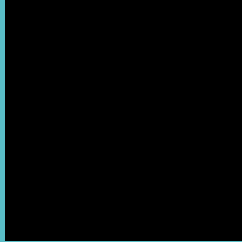
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

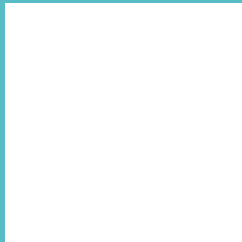
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5963, 0.2407, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 42.5963, 0.2407, 0.3154.

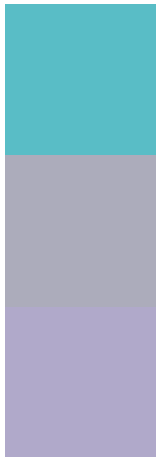


This preview shows how white text looks on a background with the Yxy color 42.5963, 0.2407, 0.3154.

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

42.5963, 0.2407, 0.3154

Protanopia

41.8636, 0.3005, 0.3089

Deuteranopia

41.8703, 0.2922, 0.2861



Tritanopia

42.5024, 0.2388, 0.3068

Trichromacy



Original Color

42.5963, 0.2407, 0.3154

Protanomaly

41.3532, 0.2739, 0.3105

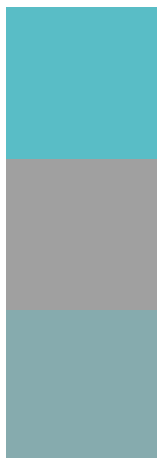
Deuteranomaly

41.1970, 0.2684, 0.2943

Tritanomaly

42.3571, 0.2393, 0.3096

Monochromacy



Original Color

42.5963, 0.2407, 0.3154

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.2501, 0.2790, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5963, 0.2407, 0.3154 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(89, 189, 198)` looks like.

```
.text, #text, p{  
    color:rgb(89, 189, 198)  
}
```

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(89, 189, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 189, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.5963, 0.2407, 0.3154 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(89, 189, 198) }
```

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

```
.border{ border-color:rgb(89, 189, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 189, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 189, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 189, 198);  
box-shadow:4px 4px 4px 4px rgb(89, 189,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5963, 0.2407, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 189, 198) }
```

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

```
.background{ background-color: rgb(89, 189,  
198) }
```

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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