

Converting Colors

$Y_{xy}(41.4086, 0.2393, 0.3142)$

Have a look what the booklet for
Yxy(41.4086, 0.2393, 0.3142)
contains.

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Color

Yxy(41.5046, 0.2398, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	56BBC4
RGB	86, 187, 196
RGB Percent	34%, 73%, 77%
CMY	0.6630, 0.2666, 0.2314
CMYK	0.56, 0.05, 0.00, 0.23
HSL	185°, 48%, 55%
HSV	185°, 56%, 77%
XYZ	31.5661, 41.5046, 58.5645
YIQ	157.8270, -63.0850, -18.6130

Conversions

Conversions Part 2

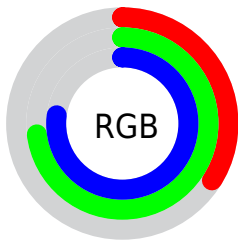
Format	Color
R _Y B	86, 139, 196
Decimal	5684164
CIE Lab	70.53, -26.71, -13.46
CIE LCh	71, 29.911, 206.753
Yxy	41.5046, 0.2398, 0.3153
Android (android.graphics.Color)	4283874244 (0xFF56BBC4)
YUV	157.8270, 18.8193, -62.9923
Hunter-Lab	64.4241, -25.2817, -8.8006

Details

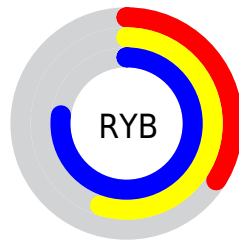
The Yxy color **41.5046, 0.2398, 0.3153** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.5742, 0.4726, 0.3409**, and the grayscale version is **34.0376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2128, 0.2526, 0.3174**, and **18.7410, 0.2196, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **40.0261, 0.2316, 0.3125**, and if you desaturate by 10%, it is **43.2487, 0.2498, 0.3180**.

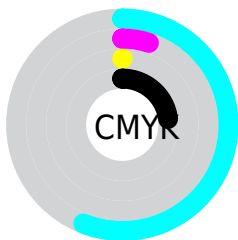
Distribution



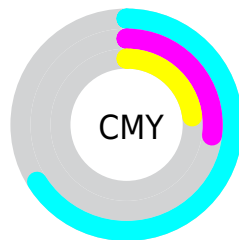
- Red (34%)
- Green (73%)
- Blue (77%)



- Red (34%)
- Yellow (55%)
- Blue (77%)



- Cyan (56%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)




- Cyan (66%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5046, 0.2398, 0.3153 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 41.5046, 0.2398, 0.3153 by changing the saturation by 10% instead.


 41.5046, 0.2398,
0.3153


 41.5046, 0.2398,
0.3153


352.4252, 0.2760,
0.3232

 28.7136, 0.2309,
0.3130


 77.4493, 0.2529,
0.3184


 18.8643, 0.2196,
0.3098


 101.3718, 0.2578,
0.3195

 11.5722, 0.2048,
0.3052


 129.7735, 0.2620,
0.3204

 6.4531, 0.1846,
0.2982

 163.0389, 0.2656,
0.3212

 3.1225, 0.1559,
0.2864

201.5524, 0.2687,
0.3218

 1.1960, 0.1018,
0.2672

245.6984, 0.2714,

 0.0585, 0.0000,

0.3224

0.0549

295.8611, 0.2738,
0.3228

0.0000, 0.0000,
0.0000

41.5046, 0.2398,
0.3153

41.5046, 0.2398,
0.3153

40.0261, 0.2316,
0.3125

43.2487, 0.2498,
0.3180

38.7871, 0.2254,
0.3097

45.2728, 0.2614,
0.3207

37.7643, 0.2210,
0.3070

47.5956, 0.2743,
0.3232

36.9259, 0.2184,
0.3042

50.2330, 0.2884,
0.3255

36.6283, 0.2176,
0.3032

53.1996, 0.3033,
0.3277

■ 56.5091, 0.3187,
0.3298

■ 60.1745, 0.3343,
0.3316

■ 64.2081, 0.3500,
0.3332

■ 67.2050, 0.3595,
0.3347

Harmonies

Analogous

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



41.5046, 0.2650, 0.3582



41.5046, 0.2398, 0.3153



41.5046, 0.2330, 0.2806

Triad

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



41.5046, 0.2398, 0.3153



41.5046, 0.3169, 0.2745



41.5046, 0.3822, 0.3967

Complementary

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



41.5046, 0.2398, 0.3153



20.5742, 0.4726, 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.



41.5046, 0.3992, 0.3691



41.5046, 0.2398, 0.3153



41.5046, 0.3603, 0.3009

Square

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



41.5046, 0.2398, 0.3153



41.5046, 0.2752, 0.2603



41.5046, 0.3913, 0.3345



41.5046, 0.3469, 0.4076

Rectangle

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



41.5046, 0.2398, 0.3153



41.5046, 0.2392, 0.2661



41.5046, 0.3913, 0.3345



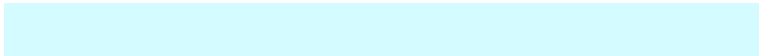
41.5046, 0.3904, 0.3889

Sweetspot

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



41.5062, 0.2398, 0.3153



90.4497, 0.2868, 0.3253



42.2454, 0.3006, 0.4968



19.1439, 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.



41.5062, 0.2398, 0.3153



72.0601, 0.2303, 0.3120



22.9077, 0.2213, 0.2276



11.2833, 0.2984, 0.3271



23.5985, 0.2177, 0.3036



1.0619, 0.2194, 0.3097

Inverse Universe

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



21.9683, 0.3294, 0.2064



33.9786, 0.3333, 0.1878



33.6792, 0.4267, 0.4097



10.2329, 0.3150, 0.3081



9.6645, 0.3423, 0.1659



0.4218, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 41.5046, 0.2398, 0.3153 looks on a white background.

Color Contrast Check

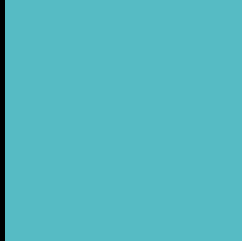
Large Text (above 18pt) WCAG AA × Fail

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 41.5046, 0.2398, 0.3153 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 41.5046, 0.2398, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 41.5046, 0.2398, 0.3153.



This preview shows how white text looks on a background with the Yxy color 41.5046, 0.2398, 0.3153.

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

41.5046, 0.2398, 0.3153

Protanopia

40.7983, 0.3004, 0.3086

Deuteranopia

40.8062, 0.2920, 0.2857



Tritanopia

41.4096, 0.2378, 0.3065

Trichromacy



Original Color

41.5046, 0.2398, 0.3153

Protanomaly

40.2138, 0.2728, 0.3103

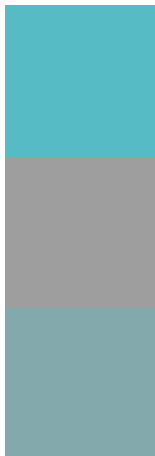
Deuteranomaly

40.1464, 0.2679, 0.2939

Tritanomaly

41.2676, 0.2384, 0.3094

Monochromacy



Original Color

41.5046, 0.2398, 0.3153

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.2600, 0.2786, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5046, 0.2398, 0.3153 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(86, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(86, 187, 196)  
}
```

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(86, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 187, 196) }
```

Border

The CSS property to change the border of an element to Yxy 41.5046, 0.2398, 0.3153 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(86, 187, 196) }
```

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

```
.border{ border-color:rgb(86, 187, 196) }
```

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

Here you see how a box with a 4 pixel rgb(86, 187, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 187, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 187, 196);  
box-shadow:4px 4px 4px 4px rgb(86, 187,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5046, 0.2398, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 187, 196) }
```

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

```
.background{ background-color: rgb(86, 187,  
196) }
```

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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