

Converting Colors

$Y_{xy}(41.7229, 0.2359, 0.3068)$

Have a look what the booklet for
Yxy(41.7229, 0.2359, 0.3068)
contains.

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Color

Yxy(41.6897, 0.2359, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	54BBCA
RGB	84, 187, 202
RGB Percent	33%, 73%, 79%
CMY	0.6707, 0.2667, 0.2078
CMYK	0.58, 0.07, 0.00, 0.21
HSL	188°, 53%, 56%
HSV	188°, 58%, 79%
XYZ	32.0868, 41.6897, 62.2421
YIQ	157.9130, -66.2030, -17.1710

Conversions

Conversions Part 2

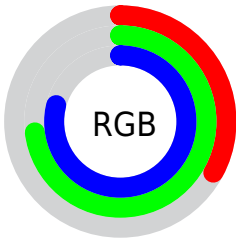
Format	Color
RYB	84, 139, 202
Decimal	5553098
CIELab	70.66, -25.37, -16.58
CIELCh	71, 30.306, 213.163
Yxy	41.6897, 0.2359, 0.3065
Android (android.graphics.Color)	4283743178 (0xFF54BBCA)
YUV	157.9130, 21.7349, -64.8217
Hunter-Lab	64.5676, -24.2878, -11.9573

Details

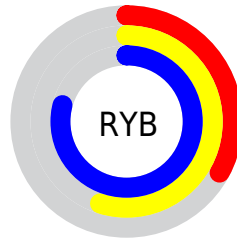
The Yxy color **41.6897, 0.2359, 0.3065** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.1207, 0.4784, 0.3479**, and the grayscale version is **34.0714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2505, 0.2513, 0.3151**, and **18.9132, 0.2160, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **39.8095, 0.2276, 0.3021**, and if you desaturate by 10%, it is **43.8613, 0.2460, 0.3109**.

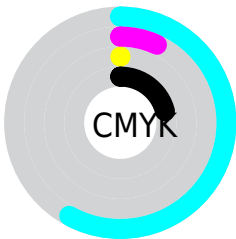
Distribution



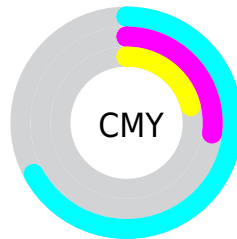
- Red (33%)
- Green (73%)
- Blue (79%)



- Red (33%)
- Yellow (55%)
- Blue (79%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)




- Cyan (67%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6897, 0.2359, 0.3065 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 41.6897, 0.2359, 0.3065 by changing the saturation by 10% instead.


 41.6897, 0.2359,
0.3065


 41.6897, 0.2359,
0.3065


353.1950, 0.2739,
0.3190


 28.8584, 0.2266,
0.3030


 77.7298, 0.2496,
0.3113


 18.9737, 0.2149,
0.2984


 101.7074, 0.2547,
0.3130

 11.6513, 0.1996,
0.2918


 130.1691, 0.2591,
0.3145

 6.5067, 0.1789,
0.2821

 163.4995, 0.2629,
0.3156

 3.1556, 0.1498,
0.2665

202.0829, 0.2662,
0.3167

 1.2135, 0.0995,
0.2406

246.3037, 0.2691,

 0.0727, 0.0000,

0.3175

0.0543

296.5463, 0.2716,
0.3183

■ 0.0000, 0.0000,
0.0000

■ 41.6897, 0.2359,
0.3065

■ 41.6897, 0.2359,
0.3065

■ 39.8095, 0.2276,
0.3021

■ 43.8613, 0.2460,
0.3109

■ 38.1920, 0.2212,
0.2976

■ 46.3406, 0.2577,
0.3151

■ 36.8107, 0.2166,
0.2931

■ 49.1483, 0.2708,
0.3191

■ 35.6220, 0.2138,
0.2888

■ 52.3017, 0.2849,
0.3228

■ 35.4427, 0.2134,
0.2881

■ 55.8171, 0.2998,
0.3263

■ 59.7094, 0.3151,
0.3295

■ 63.9928, 0.3307,
0.3324

■ 68.6808, 0.3461,
0.3349

■ 71.6812, 0.3530,
0.3374

Harmonies

Analogous

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



41.6897, 0.2576, 0.3492



41.6897, 0.2359, 0.3065



41.6897, 0.2333, 0.2745

Triad

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



41.6897, 0.2359, 0.3065



41.6897, 0.3267, 0.2787



41.6897, 0.3766, 0.4016

Complementary

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



41.6897, 0.2359, 0.3065



22.1207, 0.4784, 0.3479

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.



41.6897, 0.3985, 0.3764



41.6897, 0.2359, 0.3065



41.6897, 0.3691, 0.3074

Square

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



41.6897, 0.2359, 0.3065



41.6897, 0.2830, 0.2614



41.6897, 0.3961, 0.3421



41.6897, 0.3382, 0.4078

Rectangle

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



41.6897, 0.2359, 0.3065



41.6897, 0.2422, 0.2624



41.6897, 0.3961, 0.3421



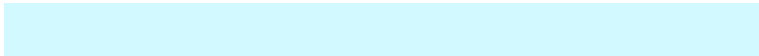
41.6897, 0.3862, 0.3948

Sweetspot

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



41.6913, 0.2359, 0.3065



88.6417, 0.2852, 0.3229



45.0096, 0.2972, 0.4960



18.6218, 0.2809, 0.3218



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.



41.6913, 0.2359, 0.3065



66.6583, 0.2258, 0.3009



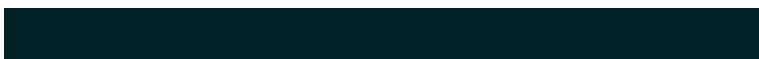
21.9093, 0.2154, 0.2126



12.4741, 0.2983, 0.3260



22.8940, 0.2135, 0.2887



1.2508, 0.2159, 0.2973

Inverse Universe

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



22.4843, 0.3367, 0.2074



32.3412, 0.3428, 0.1896



37.2343, 0.4278, 0.4194



11.3782, 0.3157, 0.3090



10.1142, 0.3555, 0.1732



0.5288, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 41.6897, 0.2359, 0.3065 looks on a white background.

Color Contrast Check

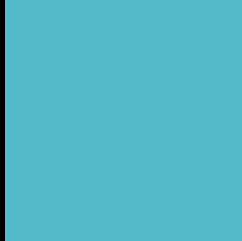
Large Text (above 18pt) WCAG AA × Fail

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 41.6897, 0.2359, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

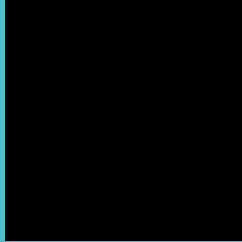
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6897, 0.2359, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 41.6897, 0.2359, 0.3065.



This preview shows how white text looks on a background with the Yxy color 41.6897, 0.2359, 0.3065.

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

41.6897, 0.2359, 0.3065

Protanopia

41.3224, 0.2948, 0.3021

Deuteranopia

41.1194, 0.2849, 0.2794



Tritanopia

41.6897, 0.2359, 0.3065

Trichromacy



Original Color

41.6897, 0.2359, 0.3065

Protanomaly

40.7877, 0.2682, 0.3034

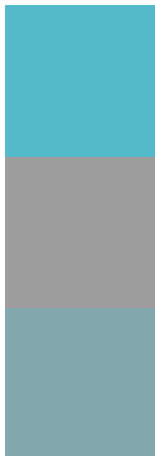
Deuteranomaly

40.5567, 0.2620, 0.2873

Tritanomaly

41.6897, 0.2359, 0.3065

Monochromacy



Original Color

41.6897, 0.2359, 0.3065

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.2572, 0.2764, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6897, 0.2359, 0.3065 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(84, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(84, 187, 202)  
}
```

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(84, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 187, 202) }
```

Border

The CSS property to change the border of an element to Yxy 41.6897, 0.2359, 0.3065 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(84, 187, 202) }
```

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

```
.border{ border-color:rgb(84, 187, 202) }
```

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

Here you see how a box with a 4 pixel rgb(84, 187, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(84, 187,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6897, 0.2359, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 187, 202) }
```

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

```
.background{ background-color: rgb(84, 187,  
202) }
```

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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