

Converting Colors

$Y_{xy}(42.5743, 0.2306, 0.3065)$

Have a look what the booklet for
Yxy(42.5743, 0.2306, 0.3065)
contains.

Yxy(42.5743, 0.2306, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5743, 0.2306, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	47BECD
RGB	71, 190, 205
RGB Percent	28%, 75%, 80%
CMY	0.7217, 0.2549, 0.1960
CMYK	0.65, 0.07, 0.00, 0.20
HSL	187°, 57%, 54%
HSV	187°, 65%, 80%
XYZ	32.0314, 42.5743, 64.2990
YIQ	156.1290, -75.7390, -20.5630

Conversions

Conversions Part 2

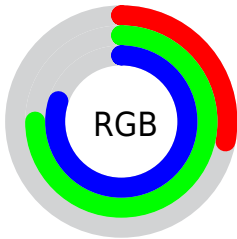
Format	Color
RYB	71, 134, 205
Decimal	4701901
CIELab	71.27, -28.19, -17.34
CIElCh	71, 33.098, 211.590
Yxy	42.5743, 0.2306, 0.3065
Android (android.graphics.Color)	4282891981 (0xFF47BECD)
YUV	156.1290, 24.0934, -74.6581
Hunter-Lab	65.2490, -26.5581, -12.7525

Details

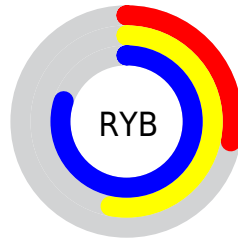
The Yxy color **42.5743, 0.2306, 0.3065** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.0906, 0.5111, 0.3463**, and the grayscale version is **33.2201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8099, 0.2480, 0.3197**, and **19.8427, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **40.9403, 0.2238, 0.3026**, and if you desaturate by 10%, it is **44.4885, 0.2393, 0.3104**.

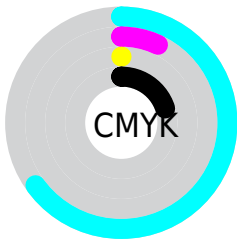
Distribution



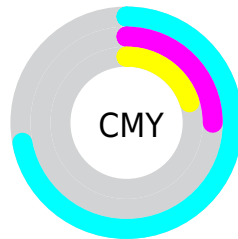
- Red (28%)
- Green (75%)
- Blue (80%)



- Red (28%)
- Yellow (53%)
- Blue (80%)



- Cyan (65%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (72%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5743, 0.2306, 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 42.5743, 0.2306, 0.3065 by changing the saturation by 10% instead.

 42.5743, 0.2306,
0.3065

 42.5743, 0.2306,
0.3065


356.8581, 0.2709,
0.3191

 29.5512, 0.2208,
0.3030


 79.0681, 0.2450,
0.3114


 19.4982, 0.2086,
0.2982


 103.3076, 0.2505,
0.3131

 12.0308, 0.1926,
0.2916

 132.0547, 0.2552,
0.3145

 6.7647, 0.1713,
0.2817

 165.6938, 0.2592,
0.3158

 3.3154, 0.1416,
0.2658

204.6093, 0.2627,
0.3168

 1.2985, 0.0917,
0.2395

249.1856, 0.2658,

 0.1401, 0.0000,

0.3177

0.0896

299.8071, 0.2685,
0.3184

■ 0.0000, 0.0000,
0.0000

■ 42.5743, 0.2306,
0.3065

■ 42.5743, 0.2306,
0.3065

■ 40.9403, 0.2238,
0.3026

■ 44.4885, 0.2393,
0.3104

■ 39.5542, 0.2189,
0.2987

■ 46.7020, 0.2497,
0.3142


■ 38.3837, 0.2158,
0.2949


■ 49.2374, 0.2618,
0.3178

■ 37.8863, 0.2148,
0.2931

■ 52.1139, 0.2751,
0.3213

■ 55.3491, 0.2894,
0.3245

 58.9594, 0.3044,
0.3275

 62.9599, 0.3199,
0.3302

 67.3653, 0.3355,
0.3327

 72.0956, 0.3506,
0.3349

Harmonies

Analogous

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



42.5743, 0.2548, 0.3534



42.5743, 0.2306, 0.3065



42.5743, 0.2267, 0.2712

Triad

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



42.5743, 0.2306, 0.3065



42.5743, 0.3251, 0.2735



42.5743, 0.3835, 0.4064

Complementary

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



42.5743, 0.2306, 0.3065



20.0906, 0.5111, 0.3463

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.



42.5743, 0.4062, 0.3779



42.5743, 0.2306, 0.3065



42.5743, 0.3717, 0.3037

Square

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



42.5743, 0.2306, 0.3065



42.5743, 0.2782, 0.2557



42.5743, 0.4023, 0.3407



42.5743, 0.3424, 0.4151

Rectangle

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



42.5743, 0.2306, 0.3065



42.5743, 0.2356, 0.2577



42.5743, 0.4023, 0.3407



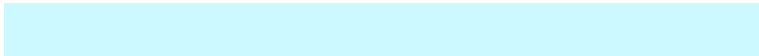
42.5743, 0.3936, 0.3985

Sweetspot

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



42.5759, 0.2306, 0.3065



87.9861, 0.2823, 0.3230



45.6569, 0.2973, 0.5211



18.5146, 0.2783, 0.3220



0.0000, 0.0000, 0.0000



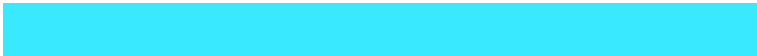
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5759, 0.2306, 0.3065



66.1821, 0.2218, 0.3012



20.3116, 0.2053, 0.1995



12.5040, 0.2983, 0.3263



23.6681, 0.2149, 0.2936



1.2836, 0.2170, 0.3011

Inverse Universe

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



21.2030, 0.3376, 0.1949



29.9652, 0.3434, 0.1795



35.6993, 0.4457, 0.4249



11.3813, 0.3155, 0.3087



10.1923, 0.3511, 0.1708



0.5321, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 42.5743, 0.2306, 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 42.5743, 0.2306, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

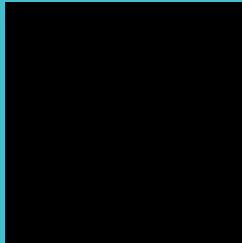
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5743, 0.2306, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 42.5743, 0.2306, 0.3065.

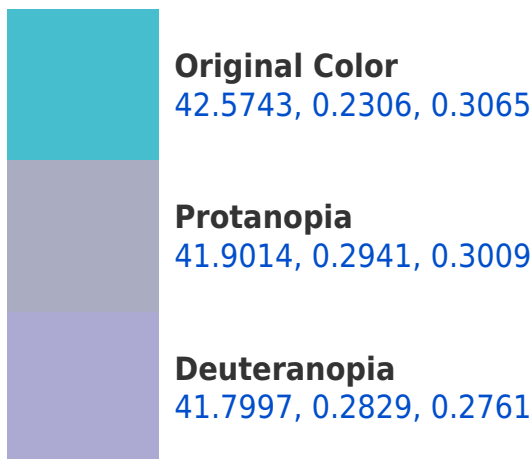


This preview shows how white text looks on a background with the Yxy color 42.5743, 0.2306, 0.3065.

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





Tritanopia

42.5743, 0.2306, 0.3065

Trichromacy



Original Color

42.5743, 0.2306, 0.3065



Protanomaly

41.3397, 0.2644, 0.3034



Deuteranomaly

41.1492, 0.2578, 0.2859



Tritanomaly

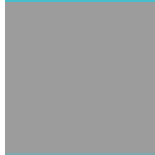
42.5743, 0.2306, 0.3065

Monochromacy



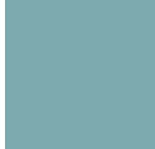
Original Color

42.5743, 0.2306, 0.3065



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.4212, 0.2716, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5743, 0.2306, 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(71, 190, 205)` looks like.

```
.text, #text, p{  
    color:rgb(71, 190, 205)  
}
```

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(71, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 190, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.5743, 0.2306, 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(71, 190, 205) }
```

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

```
.border{ border-color:rgb(71, 190, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 190, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 190, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 190, 205);  
box-shadow:4px 4px 4px 4px rgb(71, 190,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5743, 0.2306, 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(71, 190, 205) }
```

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

```
.background{ background-color: rgb(71, 190,  
205) }
```

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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