

# Converting Colors

$Y_{xy}(42.4105, 0.2344, 0.3219)$

Have a look what the booklet for  
Yxy(42.4105, 0.2344, 0.3219)  
contains.

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# Color

**Yxy(42.4307, 0.2347, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44BFC3
RGB	68, 191, 195
RGB Percent	27%, 75%, 76%
CMY	0.7337, 0.2509, 0.2353
CMYK	0.65, 0.02, 0.00, 0.24
HSL	182°, 51%, 52%
HSV	182°, 65%, 76%
XYZ	30.8599, 42.4307, 58.1959
YIQ	154.6790, -74.5920, -24.8320

# Conversions

## Conversions Part 2

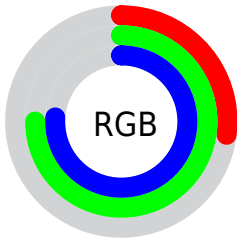
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	68, 130, 195
Decimal	4505539
CIE Lab	71.17, -32.06, -12.02
CIE LCh	71, 34.244, 200.550
Yxy	42.4307, 0.2347, 0.3227
Android (android.graphics.Color)	4282695619 (0xFF44BFC3)
YUV	154.6790, 19.8783, -76.0175
Hunter-Lab	65.1389, -29.4276, -7.3733

# Details

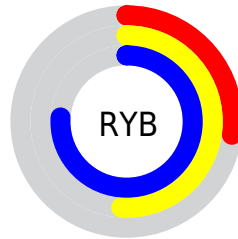
The Yxy color **42.4307, 0.2347, 0.3227** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **16.6401, 0.5192, 0.3341**, and the grayscale version is **32.5536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9884, 0.2483, 0.3242**, and **19.8144, 0.2223, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **41.5783, 0.2289, 0.3216**, and if you desaturate by 10%, it is **43.5204, 0.2424, 0.3238**.

# Distribution



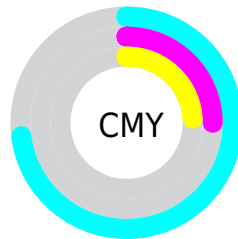
- Red (27%)
- Green (75%)
- Blue (76%)



- Red (27%)
- Yellow (51%)
- Blue (76%)



- Cyan (65%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)




- Cyan (73%)
- Magenta (25%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4307, 0.2347, 0.3227 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 42.4307, 0.2347, 0.3227 by changing the saturation by 10% instead.





 42.4307, 0.2347,  
0.3227

 42.4307, 0.2347,  
0.3227


356.2653, 0.2733,  
0.3270


 29.4387, 0.2253,  
0.3213


 78.8511, 0.2486,  
0.3245


 19.4129, 0.2133,  
0.3192


 103.0482, 0.2538,  
0.3251


 11.9690, 0.1978,  
0.3161


 131.7492, 0.2583,  
0.3256

 6.7226, 0.1767,  
0.3111

 165.3383, 0.2621,  
0.3260

 3.2892, 0.1469,  
0.3021

 204.2002, 0.2655,  
0.3263

 1.2845, 0.0881,  
0.2885

248.7190, 0.2684,

 0.1292, 0.0000,

0.3266

0.1163

299.2792, 0.2710,  
0.3268

0.0000, 0.0000,  
0.0000

42.4307, 0.2347,  
0.3227

42.4307, 0.2347,  
0.3227

41.5783, 0.2289,  
0.3216

43.5204, 0.2424,  
0.3238

40.9343, 0.2250,  
0.3206

44.8635, 0.2520,  
0.3248

40.4707, 0.2227,  
0.3196

46.4802, 0.2632,  
0.3258

40.2829, 0.2220,  
0.3191

48.3873, 0.2760,  
0.3268

50.6002, 0.2899,  
0.3277

■ 53.1334, 0.3048,  
0.3286

■ 56.0002, 0.3202,  
0.3294

■ 59.2135, 0.3361,  
0.3301

■ 62.7852, 0.3520,  
0.3307

# Harmonies

## Analogous

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



42.4307, 0.2666, 0.3721



42.4307, 0.2347, 0.3227



42.4307, 0.2229, 0.2805

# Triad

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



42.4307, 0.2347, 0.3227



42.4307, 0.3068, 0.2632



42.4307, 0.3973, 0.3998

# Complementary

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



42.4307, 0.2347, 0.3227



16.6401, 0.5192, 0.3341

# 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.



42.4307, 0.4115, 0.3657



42.4307, 0.2347, 0.3227



42.4307, 0.3571, 0.2902

# Square

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



42.4307, 0.2347, 0.3227



42.4307, 0.2618, 0.2506



42.4307, 0.3967, 0.3265



42.4307, 0.3604, 0.4180



# Rectangle

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



42.4307, 0.2347, 0.3227



42.4307, 0.2269, 0.2619



42.4307, 0.3967, 0.3265



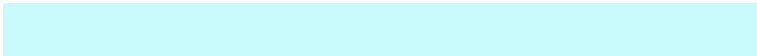
42.4307, 0.4051, 0.3896

# Sweetspot

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



42.4323, 0.2347, 0.3227



88.5168, 0.2826, 0.3273



40.7006, 0.3021, 0.5345



19.1410, 0.2787, 0.3270



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.



42.4323, 0.2347, 0.3227



73.9553, 0.2271, 0.3212



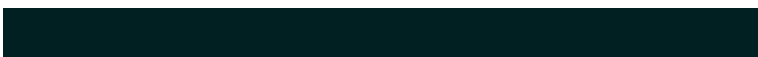
20.9545, 0.2103, 0.2190



11.3724, 0.2984, 0.3282



26.2042, 0.2220, 0.3192



1.1495, 0.2226, 0.3215



# Inverse Universe

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



19.4871, 0.3244, 0.1861



30.2333, 0.3265, 0.1691



28.9509, 0.4553, 0.4117



10.2419, 0.3142, 0.3070



9.9276, 0.3288, 0.1585



0.4307, 0.3269, 0.1575



# Previews

## White Background



This preview shows how the Yxy color 42.4307, 0.2347, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

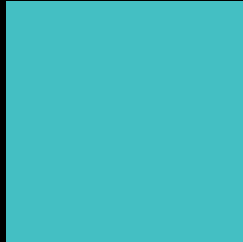
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.4307, 0.2347, 0.3227 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

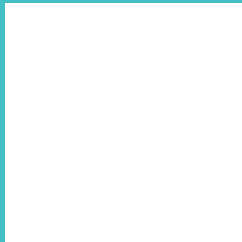
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.4307, 0.2347, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.4307, 0.2347, 0.3227.

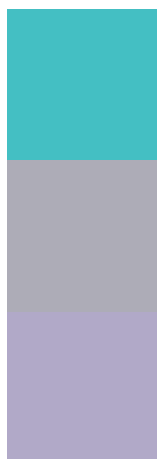


This preview shows how white text looks on a background with the Yxy color 42.4307, 0.2347, 0.3227.

# 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

42.4307, 0.2347, 0.3227

### Protanopia

41.8082, 0.3046, 0.3142

### Deuteranopia

41.8932, 0.2946, 0.2887



## Tritanopia

42.2194, 0.2309, 0.3050

# Trichromacy



**Original Color**

42.4307, 0.2347, 0.3227



**Protanomaly**

40.9790, 0.2717, 0.3173



**Deuteranomaly**

40.8399, 0.2655, 0.2993



**Tritanomaly**

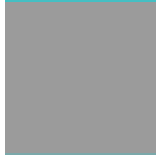
42.3836, 0.2325, 0.3123

# Monochromacy



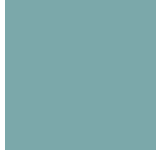
**Original Color**

42.4307, 0.2347, 0.3227



**Achromatopsia**

32.7778, 0.3127, 0.3290



**Achromatomaly**

35.1185, 0.2730, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4307, 0.2347, 0.3227 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(68, 191, 195)` looks like.

```
.text, #text, p{  
    color:rgb(68, 191, 195)  
}
```

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(68, 191, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 191, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4307, 0.2347, 0.3227 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(68, 191, 195) }
```

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

```
.border{ border-color:rgb(68, 191, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 191, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 191, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 191, 195);  
box-shadow:4px 4px 4px 4px rgb(68, 191,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4307, 0.2347, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 191, 195) }
```

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

```
.background{ background-color: rgb(68, 191,  
195) }
```

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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