

# Converting Colors

$Y_{xy}(30.3244, 0.2527, 0.3230)$

Have a look what the booklet for  
Yxy(30.3244, 0.2527, 0.3230)  
contains.

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# Color

**Yxy(30.3942, 0.2531, 0.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BA1A4
RGB	91, 161, 164
RGB Percent	36%, 63%, 64%
CMY	0.6429, 0.3687, 0.3569
CMYK	0.44, 0.02, 0.00, 0.36
HSL	182°, 29%, 50%
HSV	182°, 44%, 64%
XYZ	23.7651, 30.3942, 39.7369
YIQ	140.4120, -42.6830, -13.9070

# Conversions

## Conversions Part 2

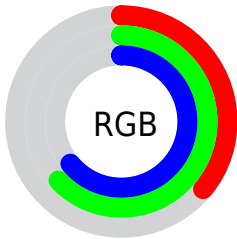
Format	Color
<b>RYB</b>	91, 127, 164
Decimal	6005156
CIELab	61.99, -21.18, -8.45
CIElCh	62, 22.806, 201.760
Yxy	30.3942, 0.2531, 0.3237
Android (android.graphics.Color)	4284195236 (0xFF5BA1A4)
YUV	140.4120, 11.6289, -43.3343
Hunter-Lab	55.1309, -19.5337, -4.1430

# Details

The Yxy color **30.3942, 0.2531, 0.3237** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6691, 0.4251, 0.3341**, and the grayscale version is **26.3672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3372, 0.2651, 0.3251**, and **12.4472, 0.2336, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **29.4143, 0.2433, 0.3224**, and if you desaturate by 10%, it is **31.5599, 0.2645, 0.3250**.

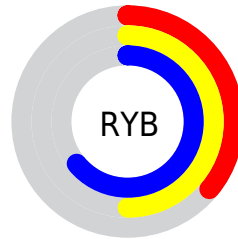
# Distribution



Red (36%)

Green (63%)

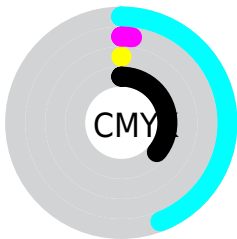
Blue (64%)



Red (36%)

Yellow (50%)

Blue (64%)

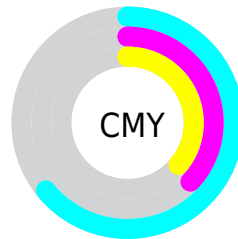


Cyan (44%)

Magenta (2%)

Yellow (0%)

Black (36%)



Cyan (64%)

Magenta (37%)

Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3942, 0.2531, 0.3237 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 30.3942, 0.2531, 0.3237 by changing the saturation by 10% instead.





 30.3942, 0.2531,  
0.3237


 30.3942, 0.2531,  
0.3237


303.7376, 0.2845,  
0.3272

 20.1380, 0.2448,  
0.3225


 60.2850, 0.2649,  
0.3252


 12.4954, 0.2337,  
0.3207


 80.6884, 0.2692,  
0.3257

 7.0820, 0.2185,  
0.3179


 105.2430, 0.2728,  
0.3261

 3.5134, 0.1964,  
0.3130

 134.3332, 0.2758,  
0.3264

 1.4053, 0.1608,  
0.3033

168.3433, 0.2785,  
0.3266

 0.2206, 0.0000,  
0.2097

207.6579, 0.2807,

 0.0000, 0.0000,

0.3268

0.0000

252.6612, 0.2827,  
0.3270

■ 30.3942, 0.2531,  
0.3237

■ 30.3942, 0.2531,  
0.3237

■ 29.4143, 0.2433,  
0.3224

■ 31.5599, 0.2645,  
0.3250

■ 28.6047, 0.2353,  
0.3210

■ 32.9188, 0.2773,  
0.3263

■ 27.9532, 0.2292,  
0.3196

■ 34.4822, 0.2912,  
0.3274

■ 27.4443, 0.2248,  
0.3183

■ 36.2593, 0.3059,  
0.3285

■ 27.0593, 0.2222,  
0.3169

■ 38.2590, 0.3212,  
0.3295

 26.8737, 0.2212,  
0.3162

 40.4895, 0.3368,  
0.3305

 42.9587, 0.3525,  
0.3313

 45.6740, 0.3680,  
0.3320

 48.6427, 0.3831,  
0.3327

# Harmonies

## Analogous

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



30.3942, 0.2773, 0.3593



30.3942, 0.2531, 0.3237



30.3942, 0.2443, 0.2924

# Triad

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



30.3942, 0.2531, 0.3237



30.3942, 0.3103, 0.2794



30.3942, 0.3755, 0.3837

# Complementary

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



30.3942, 0.2531, 0.3237



16.6691, 0.4251, 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.



30.3942, 0.3862, 0.3591



30.3942, 0.2531, 0.3237



30.3942, 0.3474, 0.3007

# Square

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



30.3942, 0.2531, 0.3237



30.3942, 0.2758, 0.2693



30.3942, 0.3758, 0.3292



30.3942, 0.3478, 0.3950



# Rectangle

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



30.3942, 0.2531, 0.3237



30.3942, 0.2479, 0.2781



30.3942, 0.3758, 0.3292



30.3942, 0.3813, 0.3766

# Sweetspot

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



30.3954, 0.2531, 0.3237



62.9628, 0.2929, 0.3276



29.5789, 0.3046, 0.4598



13.6247, 0.2899, 0.3273



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



30.3954, 0.2531, 0.3237



53.4671, 0.2437, 0.3224



19.6021, 0.2420, 0.2582



7.9609, 0.2988, 0.3280



20.6223, 0.2212, 0.3163



0.4476, 0.2226, 0.3212



# Inverse Universe

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



17.9600, 0.3215, 0.2265



28.1994, 0.3235, 0.2074



24.6060, 0.3989, 0.3898



7.1971, 0.3143, 0.3077



7.9260, 0.3313, 0.1599

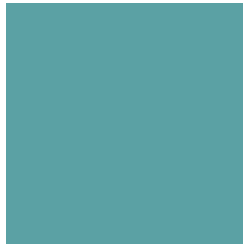


0.1680, 0.3272, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 30.3942, 0.2531, 0.3237 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 30.3942, 0.2531, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

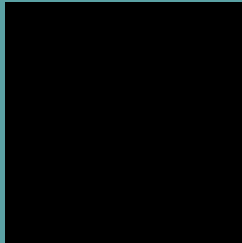
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.3942, 0.2531, 0.3237**

## Background



This preview shows how black text looks on a background with the Yxy color 30.3942, 0.2531, 0.3237.

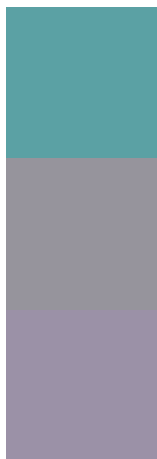


This preview shows how white text looks on a background with the Yxy color 30.3942, 0.2531, 0.3237.

# 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

30.3942, 0.2531, 0.3237

### Protanopia

30.0641, 0.3072, 0.3166

### Deuteranopia

30.0094, 0.3021, 0.2961



## Tritanopia

30.5384, 0.2488, 0.3072

# Trichromacy



**Original Color**

30.3942, 0.2531, 0.3237

**Protanomaly**

29.9528, 0.2846, 0.3192

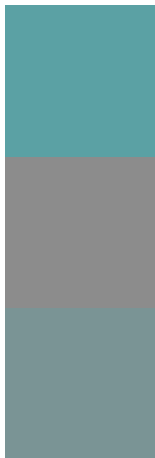
**Deuteranomaly**

29.7919, 0.2813, 0.3051

**Tritanomaly**

30.3710, 0.2501, 0.3121

# Monochromacy



**Original Color**

30.3942, 0.2531, 0.3237

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

27.4873, 0.2862, 0.3272

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.3942, 0.2531, 0.3237 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(91, 161, 164)` looks like.

```
.text, #text, p{  
    color:rgb(91, 161, 164)  
}
```

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(91, 161, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 161, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 30.3942, 0.2531, 0.3237 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(91, 161, 164) }
```

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

```
.border{ border-color:rgb(91, 161, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 161, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 161, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 161, 164); box-shadow:4px 4px 4px 4px rgb(91, 161, 164) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.3942, 0.2531, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 161, 164) }
```

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

```
.background{ background-color: rgb(91, 161,  
164) }
```

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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