

# Converting Colors

$Y_{xy}(32.2394, 0.2625, 0.3242)$

Have a look what the booklet for  
Yxy(32.2394, 0.2625, 0.3242)  
contains.

|  |    |
|--|----|
| <b>Yxy(32.3683, 0.2625, 0.3256)</b>      | 3  |
| <i><b>Conversions</b></i>                | 4  |
| <i><b>Details</b></i>                    | 6  |
| <i><b>Harmonies</b></i>                  | 12 |
| <i><b>Previews</b></i>                   | 24 |
| <i><b>Color Blindness Simulation</b></i> | 27 |
| <i><b>CSS Examples</b></i>               | 30 |

# Color

**Yxy(32.3683, 0.2625, 0.3256)**

# Conversions

| Conversions Part 1 |                              |
|--------------------|------------------------------|
| Format             | Color                        |
| Hex                | 6AA4A6                       |
| RGB                | 106, 164, 166                |
| RGB Percent        | 42%, 64%, 65%                |
| CMY                | 0.5846, 0.3568, 0.3490       |
| CMYK               | 0.36, 0.01, 0.00, 0.35       |
| HSL                | 182°, 25%, 53%               |
| HSV                | 182°, 36%, 65%               |
| XYZ                | 26.0955, 32.3683, 40.9475    |
| YIQ                | 146.8860, -35.2100, -11.6740 |

# Conversions

## Conversions Part 2

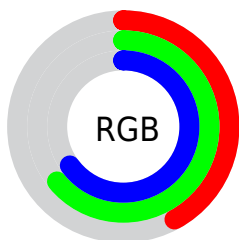
| Format                              | Color                                      |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">106, 135, 166</a>              |
| Decimal                             | <a href="#">6988966</a>                    |
| CIELab                              | <a href="#">63.65, -18.33, -7.04</a>       |
| CIELCh                              | <a href="#">64, 19.636, 201.012</a>        |
| Yxy                                 | <a href="#">32.3683, 0.2625, 0.3256</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4285179046</a><br>(0xFF6AA4A6) |
| YUV                                 | <a href="#">146.8860, 9.4232, -35.8570</a> |
| Hunter-Lab                          | <a href="#">56.8931, -17.6896, -2.8474</a> |

# Details

The Yxy color **32.3683, 0.2625, 0.3256** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8520, 0.3964, 0.3324**, and the grayscale version is **29.0935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3571, 0.2725, 0.3264**, and **13.5875, 0.2469, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **31.2543, 0.2514, 0.3245**, and if you desaturate by 10%, it is **33.6826, 0.2750, 0.3266**.

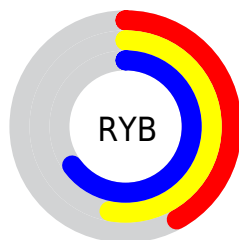
# Distribution



Red (42%)

Green (64%)

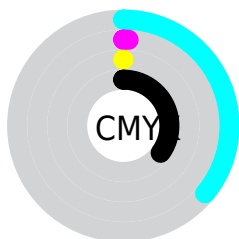
Blue (65%)



Red (42%)

Yellow (53%)

Blue (65%)

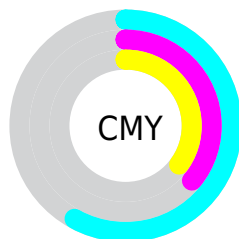


Cyan (36%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (36%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3683, 0.2625, 0.3256 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 32.3683, 0.2625, 0.3256 by changing the saturation by 10% instead.




 32.3683, 0.2625,  
0.3256

 32.3683, 0.2625,  
0.3256


312.7936, 0.2888,  
0.3279


 21.6430, 0.2556,  
0.3248


 63.3880, 0.2723,  
0.3266


 13.5948, 0.2464,  
0.3237

 84.4512, 0.2759,  
0.3269

 7.8394, 0.2339,  
0.3219


 109.7291, 0.2789,  
0.3271

 3.9923, 0.2155,  
0.3187

 139.6062, 0.2815,  
0.3273

 1.6693, 0.1866,  
0.3124

174.4667, 0.2837,  
0.3275

 0.4036, 0.0000,  
0.3023


214.6952, 0.2856,

 0.0000, 0.0000,


0.3276


0.0000


260.6760, 0.2873,  
0.3278


 32.3683, 0.2625,  
0.3256


 32.3683, 0.2625,  
0.3256

 31.2543, 0.2514,  
0.3245


 33.6826, 0.2750,  
0.3266


 30.3252, 0.2421,  
0.3235


 35.2037, 0.2887,  
0.3276


 29.5698, 0.2345,  
0.3224


 36.9427, 0.3033,  
0.3285


 28.9739, 0.2287,  
0.3213

 38.9087, 0.3186,  
0.3293


 28.5212, 0.2248,  
0.3202

 41.1104, 0.3342,  
0.3301

 28.1892, 0.2226,  
0.3191

 43.5559, 0.3499,  
0.3307

 28.0756, 0.2219,  
0.3187

 46.2529, 0.3655,  
0.3314

 49.2089, 0.3808,  
0.3319

 52.3691, 0.3954,  
0.3324

# Harmonies

## Analogous

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



32.3683, 0.2835, 0.3551



32.3683, 0.2625, 0.3256



32.3683, 0.2545, 0.2989

# Triad

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



32.3683, 0.2625, 0.3256



32.3683, 0.3100, 0.2863



32.3683, 0.3662, 0.3751

# Complementary

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



32.3683, 0.2625, 0.3256



19.8520, 0.3964, 0.3324

# 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.



32.3683, 0.3746, 0.3544



32.3683, 0.2625, 0.3256



32.3683, 0.3413, 0.3045

# Square

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



32.3683, 0.2625, 0.3256



32.3683, 0.2809, 0.2781



32.3683, 0.3654, 0.3289



32.3683, 0.3433, 0.3844



# Rectangle

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



32.3683, 0.2625, 0.3256



32.3683, 0.2573, 0.2864



32.3683, 0.3654, 0.3289



32.3683, 0.3709, 0.3692

# Sweetspot

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



32.3696, 0.2625, 0.3256



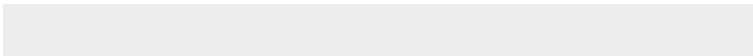
65.4149, 0.2959, 0.3280



31.3917, 0.3070, 0.4336



14.5479, 0.2940, 0.3279



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



32.3696, 0.2625, 0.3256



57.1766, 0.2539, 0.3248



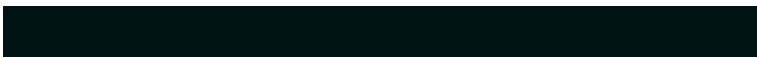
23.1301, 0.2556, 0.2753



8.4890, 0.2987, 0.3282



21.7857, 0.2219, 0.3188



0.5427, 0.2229, 0.3223



# Inverse Universe

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



21.0809, 0.3191, 0.2440



33.8540, 0.3206, 0.2271



27.0271, 0.3803, 0.3770



7.6623, 0.3142, 0.3075



8.2703, 0.3292, 0.1587

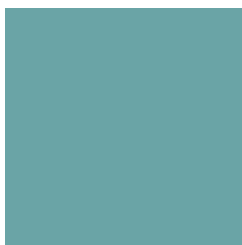


0.2025, 0.3262, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 32.3683, 0.2625, 0.3256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

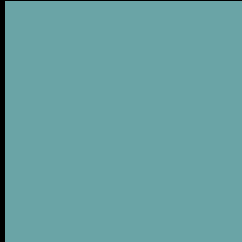
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.3683, 0.2625, 0.3256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

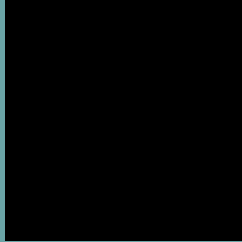
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.3683, 0.2625, 0.3256**

## Background



This preview shows how black text looks on a background with the Yxy color 32.3683, 0.2625, 0.3256.



This preview shows how white text looks on a background with the Yxy color 32.3683, 0.2625, 0.3256.

# 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

32.3683, 0.2625, 0.3256

### Protanopia

32.2542, 0.3092, 0.3200

### Deuteranopia

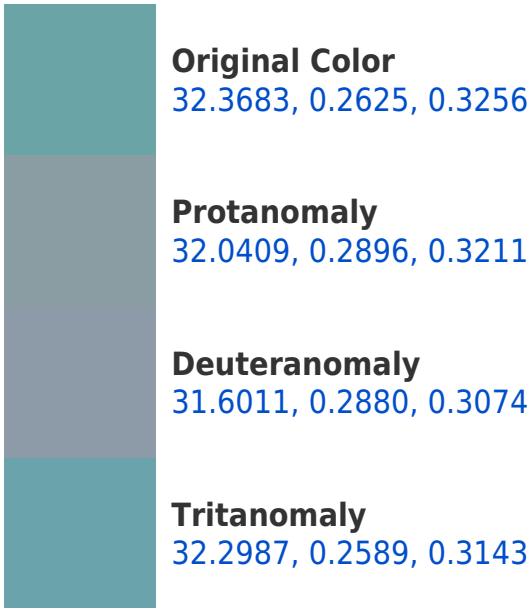
31.9365, 0.3061, 0.2998



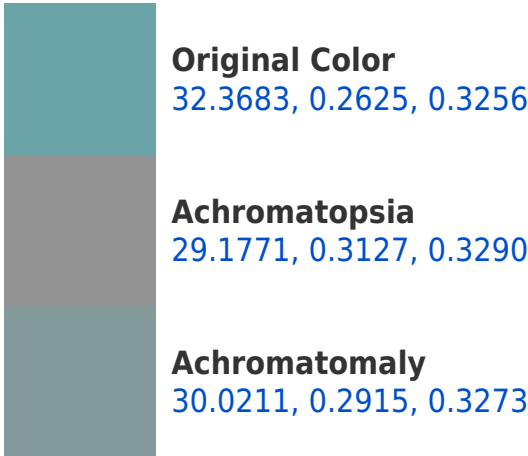
## Tritanopia

32.5171, 0.2569, 0.3081

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.3683, 0.2625, 0.3256 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(106, 164, 166) looks like.

```
.text, #text, p{  
    color:rgb(106, 164, 166)  
}
```

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(106, 164, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 164, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 32.3683, 0.2625, 0.3256 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(106, 164, 166) }
```

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

```
.border{ border-color:rgb(106, 164, 166) }
```

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

Here you see how a box with a 4 pixel rgb(106, 164, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 164, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 164, 166);  
box-shadow:4px 4px 4px 4px rgb(106, 164,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.3683, 0.2625, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 164, 166) }
```

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

```
.background{ background-color: rgb(106,  
164, 166) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor