

Converting Colors

$Yxy(36.7592, 0.2369, 0.3154)$

Have a look what the booklet for
Yxy(36.7592, 0.2369, 0.3154)
contains.

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Color

Yxy(36.8818, 0.2373, 0.3161)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4BB2BA |
| RGB | 75, 178, 186 |
| RGB Percent | 29%, 70%, 73% |
| CMY | 0.7056, 0.3020, 0.2706 |
| CMYK | 0.60, 0.04, 0.00, 0.27 |
| HSL | 184°, 45%, 51% |
| HSV | 184°, 60%, 73% |
| XYZ | 27.6876, 36.8818, 52.1082 |
| YIQ | 148.1150, -63.9560, -19.3480 |

Conversions

Conversions Part 2

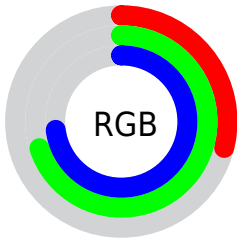
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 75, 128, 186 |
| Decimal | 4960954 |
| CIELab | 67.19, -27.12, -13.01 |
| CIELCh | 67, 30.079, 205.630 |
| Yxy | 36.8818, 0.2373, 0.3161 |
| Android (android.graphics.Color) | 4283151034 (0xFF4BB2BA) |
| YUV | 148.1150, 18.6773, -64.1219 |
| Hunter-Lab | 60.7304, -24.8982, -8.3611 |

Details

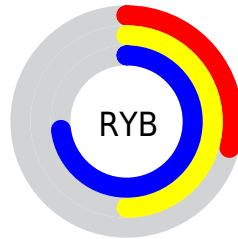
The Yxy color **36.8818, 0.2373, 0.3161** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.1425, 0.4881, 0.3399**, and the grayscale version is **29.6127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4073, 0.2514, 0.3193**, and **16.3607, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **35.7082, 0.2299, 0.3137**, and if you desaturate by 10%, it is **38.2827, 0.2465, 0.3185**.

Distribution



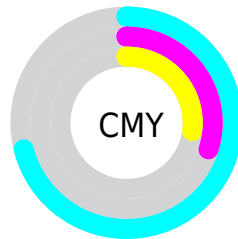
- Red (29%)
- Green (70%)
- Blue (73%)



- Red (29%)
- Yellow (50%)
- Blue (73%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)





- Cyan (71%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8818, 0.2373, 0.3161 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 36.8818, 0.2373, 0.3161 by changing the saturation by 10% instead.


 36.8818, 0.2373,
0.3161


 36.8818, 0.2373,
0.3161


332.7985, 0.2754,
0.3238


 25.1160, 0.2277,
0.3137


 70.3910, 0.2512,
0.3192


 16.1635, 0.2154,
0.3104


 92.9031, 0.2564,
0.3203

 9.6399, 0.1991,
0.3056


 119.7661, 0.2608,
0.3212

 5.1609, 0.1765,
0.2978

 151.3644, 0.2646,
0.3219

 2.3420, 0.1438,
0.2842

188.0824, 0.2679,
0.3225

 0.7958, 0.0324,
0.2730

230.3045, 0.2707,

 0.0000, 0.0000,

0.3230

0.0000

278.4151, 0.2732,
0.3234

■ 36.8818, 0.2373,
0.3161

■ 36.8818, 0.2373,
0.3161

■ 35.7082, 0.2299,
0.3137

■ 38.2827, 0.2465,
0.3185

■ 34.7379, 0.2244,
0.3112

■ 39.9239, 0.2575,
0.3209

■ 33.9492, 0.2207,
0.3088

■ 41.8226, 0.2699,
0.3231

■ 33.2971, 0.2185,
0.3064

■ 43.9931, 0.2835,
0.3252

■ 33.2743, 0.2184,
0.3063

■ 46.4485, 0.2981,
0.3272

■ 49.2011, 0.3133,
0.3291

■ 52.2627, 0.3288,
0.3307

■ 55.6442, 0.3445,
0.3322

■ 59.3560, 0.3600,
0.3336

Harmonies

Analogous

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



36.8818, 0.2641, 0.3612



36.8818, 0.2373, 0.3161



36.8818, 0.2296, 0.2794

Triad

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



36.8818, 0.2373, 0.3161



36.8818, 0.3153, 0.2714



36.8818, 0.3864, 0.3988

Complementary

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



36.8818, 0.2373, 0.3161



17.1425, 0.4881, 0.3399

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.



36.8818, 0.4033, 0.3693



36.8818, 0.2373, 0.3161



36.8818, 0.3609, 0.2984

Square

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



36.8818, 0.2373, 0.3161



36.8818, 0.2720, 0.2572



36.8818, 0.3941, 0.3332



36.8818, 0.3499, 0.4113

Rectangle

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



36.8818, 0.2373, 0.3161



36.8818, 0.2355, 0.2639



36.8818, 0.3941, 0.3332



36.8818, 0.3946, 0.3903

Sweetspot

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



36.8832, 0.2373, 0.3161



80.3156, 0.2854, 0.3255



37.2287, 0.3001, 0.5077



17.4171, 0.2813, 0.3249



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.8832, 0.2373, 0.3161



64.0651, 0.2277, 0.3128



19.2424, 0.2162, 0.2205



10.0968, 0.2985, 0.3273



22.4351, 0.2185, 0.3066



0.8241, 0.2202, 0.3128

Inverse Universe

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



18.6934, 0.3291, 0.1997



28.7305, 0.3331, 0.1806



29.1019, 0.4348, 0.4135



9.1513, 0.3148, 0.3081



9.0472, 0.3396, 0.1644



0.3223, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 36.8818, 0.2373, 0.3161 looks on a white background.

Color Contrast Check

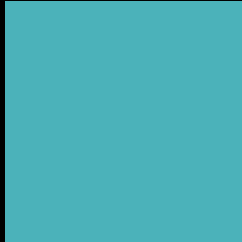
Large Text (above 18pt) WCAG AA × Fail

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 36.8818, 0.2373, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

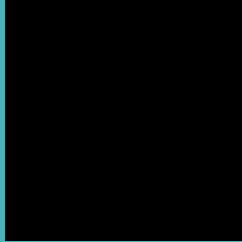
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8818, 0.2373, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 36.8818, 0.2373, 0.3161.



This preview shows how white text looks on a background with the Yxy color 36.8818, 0.2373, 0.3161.

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

36.8818, 0.2373, 0.3161

Protanopia

36.3057, 0.3007, 0.3077

Deuteranopia

36.5133, 0.2918, 0.2863



Tritanopia

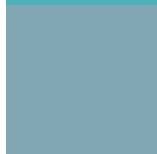
36.7836, 0.2351, 0.3069

Trichromacy



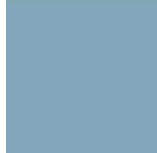
Original Color

36.8818, 0.2373, 0.3161



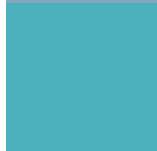
Protanomaly

35.6785, 0.2710, 0.3093



Deuteranomaly

35.8521, 0.2660, 0.2950



Tritanomaly

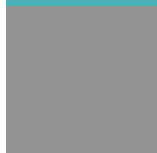
36.6549, 0.2358, 0.3099

Monochromacy



Original Color

36.8818, 0.2373, 0.3161



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.4699, 0.2760, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8818, 0.2373, 0.3161 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(75, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(75, 178, 186)  
}
```

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(75, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 178, 186) }
```

Border

The CSS property to change the border of an element to Yxy 36.8818, 0.2373, 0.3161 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(75, 178, 186) }
```

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

```
.border{ border-color:rgb(75, 178, 186) }
```

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

Here you see how a box with a 4 pixel rgb(75, 178, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(75, 178,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8818, 0.2373, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 178, 186) }
```

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

```
.background{ background-color: rgb(75, 178,  
186) }
```

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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