

Converting Colors

$Y_{xy}(36.8873, 0.2509, 0.3225)$

Have a look what the booklet for
Yxy(36.8873, 0.2509, 0.3225)
contains.

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Color

Yxy(36.8873, 0.2509, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	61B0B4
RGB	97, 176, 180
RGB Percent	38%, 69%, 71%
CMY	0.6194, 0.3098, 0.2941
CMYK	0.46, 0.02, 0.00, 0.29
HSL	183°, 36%, 54%
HSV	183°, 46%, 71%
XYZ	28.6977, 36.8873, 48.7942
YIQ	152.8350, -48.3680, -15.5040

Conversions

Conversions Part 2

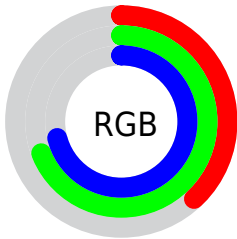
Format	Color
RYB	97, 137, 180
Decimal	6402228
CIELab	67.19, -23.15, -9.61
CIElCh	67, 25.071, 202.550
Yxy	36.8873, 0.2509, 0.3225
Android (android.graphics.Color)	4284592308 (0xFF61B0B4)
YUV	152.8350, 13.3923, -48.9673
Hunter-Lab	60.7349, -21.9434, -5.1189

Details

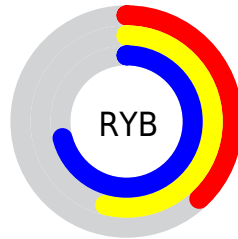
The Yxy color **36.8873, 0.2509, 0.3225** is a light color, and the websafe version is hex **669999**. A complement of this color would be **19.8889, 0.4322, 0.3352**, and the grayscale version is **31.7417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5417, 0.2625, 0.3241**, and **16.1103, 0.2324, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **35.6682, 0.2413, 0.3209**, and if you desaturate by 10%, it is **38.3359, 0.2621, 0.3241**.

Distribution



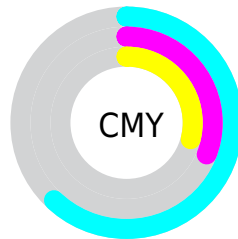
- Red (38%)
- Green (69%)
- Blue (71%)



- Red (38%)
- Yellow (54%)
- Blue (71%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)




- Cyan (62%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8873, 0.2509, 0.3225 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 36.8873, 0.2509, 0.3225 by changing the saturation by 10% instead.


 36.8873, 0.2509,
0.3225


 36.8873, 0.2509,
0.3225


332.8223, 0.2824,
0.3266


 25.1202, 0.2429,
0.3212


 70.3994, 0.2625,
0.3242

 16.1667, 0.2325,
0.3193


 92.9133, 0.2668,
0.3248

 9.6422, 0.2186,
0.3166


 119.7782, 0.2704,
0.3252

 5.1624, 0.1991,
0.3120

 151.3785, 0.2735,
0.3256

 2.3428, 0.1699,
0.3035

188.0987, 0.2762,
0.3259

 0.7962, 0.0723,
0.3006

230.3232, 0.2785,

 0.0000, 0.0000,

0.3262

0.0000

278.4362, 0.2806,
0.3264

■ 36.8873, 0.2509,
0.3225

■ 36.8873, 0.2509,
0.3225

■ 35.6682, 0.2413,
0.3209

■ 38.3359, 0.2621,
0.3241

■ 34.6589, 0.2335,
0.3193

■ 40.0236, 0.2748,
0.3255

■ 33.8434, 0.2277,
0.3177


■ 41.9646, 0.2887,
0.3269


■ 33.2019, 0.2236,
0.3161

■ 44.1708, 0.3034,
0.3283

■ 32.7081, 0.2212,
0.3145

■ 46.6534, 0.3188,
0.3295

 32.5334, 0.2205,
0.3139

 49.4228, 0.3344,
0.3306

 52.4891, 0.3501,
0.3315

 55.8616, 0.3657,
0.3324

 58.7713, 0.3775,
0.3332

Harmonies

Analogous

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



36.8873, 0.2753, 0.3594



36.8873, 0.2509, 0.3225



36.8873, 0.2424, 0.2905

Triad

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



36.8873, 0.2509, 0.3225



36.8873, 0.3112, 0.2784



36.8873, 0.3768, 0.3858

Complementary

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



36.8873, 0.2509, 0.3225



19.8889, 0.4322, 0.3352

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.



36.8873, 0.3884, 0.3607



36.8873, 0.2509, 0.3225



36.8873, 0.3493, 0.3006

Square

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



36.8873, 0.2509, 0.3225



36.8873, 0.2755, 0.2678



36.8873, 0.3783, 0.3299



36.8873, 0.3479, 0.3971

Rectangle

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



36.8873, 0.2509, 0.3225



36.8873, 0.2463, 0.2761



36.8873, 0.3783, 0.3299



36.8873, 0.3829, 0.3786

Sweetspot

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



36.8887, 0.2509, 0.3225



76.7807, 0.2914, 0.3272



36.1085, 0.3043, 0.4665



16.4206, 0.2883, 0.3269



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.8887, 0.2509, 0.3225



64.6929, 0.2414, 0.3209



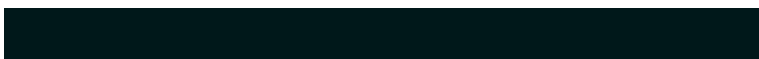
23.3820, 0.2389, 0.2545



9.5596, 0.2986, 0.3278



22.7314, 0.2206, 0.3141



0.7366, 0.2218, 0.3185

Inverse Universe

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



21.3974, 0.3226, 0.2231



33.4348, 0.3249, 0.2038



29.7061, 0.4036, 0.3924



8.6395, 0.3145, 0.3076



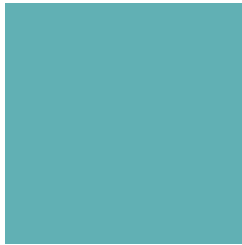
8.8349, 0.3332, 0.1609



0.2801, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 36.8873, 0.2509, 0.3225 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 36.8873, 0.2509, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

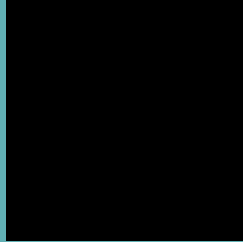
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

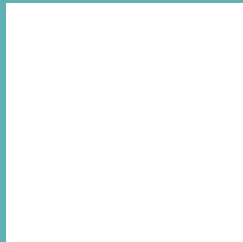
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8873, 0.2509, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 36.8873, 0.2509, 0.3225.



This preview shows how white text looks on a background with the Yxy color 36.8873, 0.2509, 0.3225.

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

36.8873, 0.2509, 0.3225

Protanopia

36.5675, 0.3058, 0.3162

Deuteranopia

36.3494, 0.3004, 0.2932



Tritanopia

37.0434, 0.2470, 0.3073

Trichromacy



Original Color

36.8873, 0.2509, 0.3225

Protanomaly

36.1824, 0.2826, 0.3184

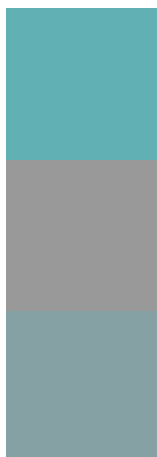
Deuteranomaly

36.1688, 0.2789, 0.3026

Tritanomaly

36.8578, 0.2482, 0.3118

Monochromacy



Original Color

36.8873, 0.2509, 0.3225

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1206, 0.2855, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8873, 0.2509, 0.3225 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(97, 176, 180)` looks like.

```
.text, #text, p{  
    color:rgb(97, 176, 180)  
}
```

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(97, 176, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 176, 180) }
```

Border

The CSS property to change the border of an element to Yxy 36.8873, 0.2509, 0.3225 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(97, 176, 180) }
```

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

```
.border{ border-color:rgb(97, 176, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 176, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 176, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 176, 180);  
box-shadow:4px 4px 4px 4px rgb(97, 176,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8873, 0.2509, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 176, 180) }
```

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

```
.background{ background-color: rgb(97, 176,  
180) }
```

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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