

Converting Colors

$Yxy(38.4324, 0.2672, 0.3228)$

Have a look what the booklet for
Yxy(38.4324, 0.2672, 0.3228)
contains.

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Color

Yxy(38.5569, 0.2674, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	7BB0B4
RGB	123, 176, 180
RGB Percent	48%, 69%, 71%
CMY	0.5174, 0.3098, 0.2940
CMYK	0.32, 0.02, 0.00, 0.29
HSL	184°, 28%, 59%
HSV	184°, 32%, 71%
XYZ	31.9396, 38.5569, 48.9486
YIQ	160.6090, -32.8720, -9.9920

Conversions

Conversions Part 2

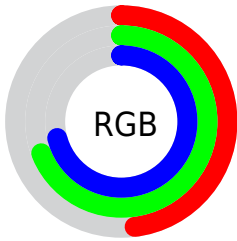
Format	Color
RYB	123, 150, 180
Decimal	8106164
CIELab	68.43, -16.30, -7.64
CIElCh	68, 18.005, 205.121
Yxy	38.5569, 0.2674, 0.3228
Android (android.graphics.Color)	4286296244 (0xFF7BB0B4)
YUV	160.6090, 9.5598, -32.9831
Hunter-Lab	62.0942, -16.8491, -3.2721

Details

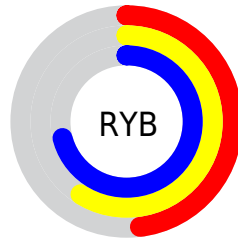
The Yxy color **38.5569, 0.2674, 0.3228** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.3393, 0.3817, 0.3351**, and the grayscale version is **35.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1165, 0.2756, 0.3243**, and **17.0378, 0.2540, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **36.8528, 0.2553, 0.3206**, and if you desaturate by 10%, it is **40.5129, 0.2808, 0.3249**.

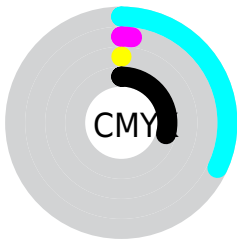
Distribution



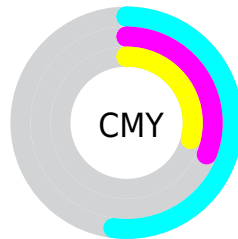
- Red (48%)
- Green (69%)
- Blue (71%)



- Red (48%)
- Yellow (59%)
- Blue (71%)



- Cyan (32%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)





- Cyan (52%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5569, 0.2674, 0.3228 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 38.5569, 0.2674, 0.3228 by changing the saturation by 10% instead.


 38.5569, 0.2674,
0.3228


 38.5569, 0.2674,
0.3228


340.0029, 0.2905,
0.3264

 26.4152, 0.2615,
0.3217


 72.9609, 0.2759,
0.3242

 17.1345, 0.2539,
0.3203


 95.9920, 0.2790,
0.3247

 10.3304, 0.2437,
0.3182


 123.4217, 0.2817,
0.3251

 5.6186, 0.2291,
0.3148

155.6344, 0.2840,
0.3255

 2.6146, 0.2071,
0.3090

193.0145, 0.2859,
0.3257

 0.9340, 0.1577,
0.3013

235.9463, 0.2876,

 0.0000, 0.0000,

0.3260

0.0000

284.8143, 0.2891,
0.3262

■ 38.5569, 0.2674,
0.3228

■ 38.5569, 0.2674,
0.3228

■ 36.8528, 0.2553,
0.3206

■ 40.5129, 0.2808,
0.3249

■ 35.3826, 0.2447,
0.3183

■ 42.7287, 0.2951,
0.3269

■ 34.1331, 0.2358,
0.3159

■ 45.2172, 0.3102,
0.3287

■ 33.0881, 0.2288,
0.3135

■ 47.9893, 0.3257,
0.3304

■ 32.2286, 0.2237,
0.3111

■ 51.0554, 0.3413,
0.3319

■ 31.5326, 0.2204,
0.3088

■ 54.4250, 0.3568,
0.3332

■ 31.0381, 0.2186,
0.3068

■ 58.1075, 0.3721,
0.3344

■ 59.7489, 0.3768,
0.3356

■ 60.2885, 0.3764,
0.3370

Harmonies

Analogous

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



38.5569, 0.2844, 0.3482



38.5569, 0.2674, 0.3228



38.5569, 0.2621, 0.3006

Triad

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



38.5569, 0.2674, 0.3228



38.5569, 0.3143, 0.2935



38.5569, 0.3570, 0.3709

Complementary

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



38.5569, 0.2674, 0.3228



26.3393, 0.3817, 0.3351

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.



38.5569, 0.3660, 0.3542



38.5569, 0.2674, 0.3228



38.5569, 0.3408, 0.3104

Square

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



38.5569, 0.2674, 0.3228



38.5569, 0.2883, 0.2850



38.5569, 0.3601, 0.3322



38.5569, 0.3360, 0.3767

Rectangle

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



38.5569, 0.2674, 0.3228



38.5569, 0.2657, 0.2905



38.5569, 0.3601, 0.3322



38.5569, 0.3616, 0.3663

Sweetspot

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



38.5584, 0.2674, 0.3228



78.5321, 0.2988, 0.3274



38.3945, 0.3057, 0.4143



16.8385, 0.2967, 0.3271



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.



38.5584, 0.2674, 0.3228



67.6845, 0.2588, 0.3213



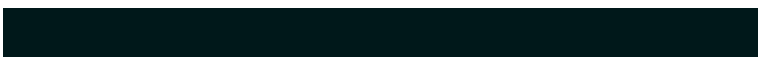
28.6108, 0.2621, 0.2781



9.5266, 0.2986, 0.3273



21.6986, 0.2186, 0.3071



0.7132, 0.2205, 0.3136

Inverse Universe

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



27.0209, 0.3206, 0.2567



43.6011, 0.3226, 0.2410



34.6924, 0.3694, 0.3749



8.6361, 0.3148, 0.3081



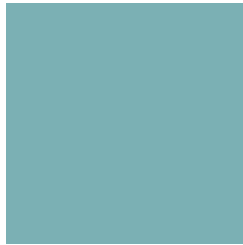
8.7306, 0.3392, 0.1642



0.2778, 0.3336, 0.1611

Previews

White Background



This preview shows how the Yxy color 38.5569, 0.2674, 0.3228 looks on a white background.

Color Contrast Check

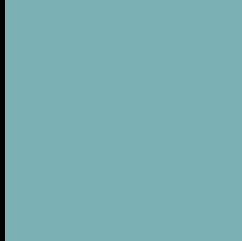
Large Text (above 18pt) WCAG AA × Fail

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 38.5569, 0.2674, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

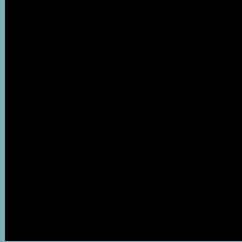
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5569, 0.2674, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 38.5569, 0.2674, 0.3228.



This preview shows how white text looks on a background with the Yxy color 38.5569, 0.2674, 0.3228.

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

38.5569, 0.2674, 0.3228

Protanopia

38.1817, 0.3069, 0.3164

Deuteranopia

38.3735, 0.3066, 0.3006



Tritanopia

38.6940, 0.2626, 0.3082

Trichromacy



Original Color

38.5569, 0.2674, 0.3228

Protanomaly

38.0898, 0.2912, 0.3188

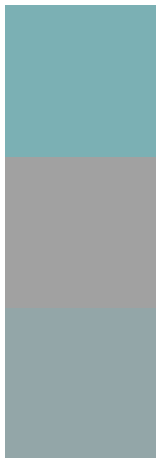
Deuteranomaly

38.0828, 0.2906, 0.3077

Tritanomaly

38.4902, 0.2639, 0.3125

Monochromacy



Original Color

38.5569, 0.2674, 0.3228

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3026, 0.2940, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5569, 0.2674, 0.3228 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(123, 176, 180)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 176, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.5569, 0.2674, 0.3228 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(123, 176, 180) }
```

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

```
.border{ border-color:rgb(123, 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(123, 176, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 176, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 176, 180); box-shadow:4px 4px 4px 4px rgb(123, 176, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5569, 0.2674, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 180) }
```

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

```
.background{ background-color: rgb(123,  
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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