

Converting Colors

$Y_{xy}(38.4199, 0.2404, 0.3311)$

Have a look what the booklet for
Yxy(38.4199, 0.2404, 0.3311)
contains.

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Color

Yxy(38.5809, 0.2405, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	48B7B5
RGB	72, 183, 181
RGB Percent	28%, 72%, 71%
CMY	0.7174, 0.2824, 0.2903
CMYK	0.61, 0.00, 0.01, 0.28
HSL	179°, 44%, 50%
HSV	179°, 61%, 72%
XYZ	27.9479, 38.5809, 49.6787
YIQ	149.5830, -65.5140, -24.1540

Conversions

Conversions Part 2

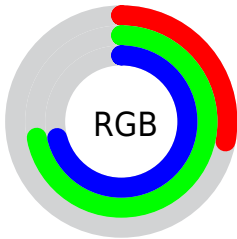
Format	Color
RYB	72, 128, 183
Decimal	4765621
CIELab	68.45, -31.51, -8.37
CIELCh	68, 32.601, 194.880
Yxy	38.5809, 0.2405, 0.3320
Android (android.graphics.Color)	4282955701 (0xFF48B7B5)
YUV	149.5830, 15.4886, -68.0403
Hunter-Lab	62.1135, -28.3828, -3.9410

Details

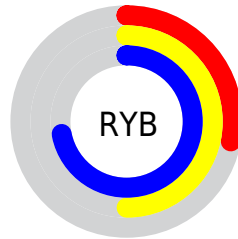
The Yxy color **38.5809, 0.2405, 0.3320** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.2056, 0.4965, 0.3270**, and the grayscale version is **30.2745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7530, 0.2534, 0.3312**, and **17.2590, 0.2253, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **37.9663, 0.2343, 0.3326**, and if you desaturate by 10%, it is **39.4078, 0.2486, 0.3314**.

Distribution



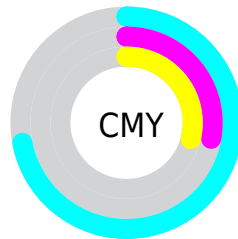
- Red (28%)
- Green (72%)
- Blue (71%)



- Red (28%)
- Yellow (50%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5809, 0.2405, 0.3320 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 38.5809, 0.2405, 0.3320 by changing the saturation by 10% instead.

 38.5809, 0.2405,
0.3320


 38.5809, 0.2405,
0.3320


340.1054, 0.2770,
0.3313


 26.4339, 0.2313,
0.3319


 72.9976, 0.2538,
0.3320

 17.1485, 0.2196,
0.3315


 96.0361, 0.2588,
0.3319

 10.3404, 0.2040,
0.3307


 123.4739, 0.2630,
0.3318

 5.6252, 0.1823,
0.3289

 155.6953, 0.2666,
0.3317

 2.6186, 0.1508,
0.3245

 193.0847, 0.2697,
0.3316

 0.9360, 0.0426,
0.3330

236.0266, 0.2724,

 0.0000, 0.0000,

0.3315

0.0000

284.9054, 0.2748,
0.3314

■ 38.5809, 0.2405,
0.3320

■ 38.5809, 0.2405,
0.3320

■ 37.9663, 0.2343,
0.3326

■ 39.4078, 0.2486,
0.3314

■ 37.5404, 0.2300,
0.3332

■ 40.4595, 0.2585,
0.3309

■ 37.2821, 0.2274,
0.3337

■ 41.7526, 0.2700,
0.3304

■ 37.1487, 0.2262,
0.3343

■ 43.3008, 0.2829,
0.3299

■ 45.1171, 0.2969,
0.3294

■ 47.2132, 0.3118,
0.3290

■ 49.6005, 0.3272,
0.3287

■ 52.2895, 0.3428,
0.3283

■ 55.2903, 0.3585,
0.3281

Harmonies

Analogous

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



38.5809, 0.2751, 0.3797



38.5809, 0.2405, 0.3320



38.5809, 0.2249, 0.2881

Triad

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



38.5809, 0.2405, 0.3320



38.5809, 0.2978, 0.2607



38.5809, 0.4006, 0.3932

Complementary

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



38.5809, 0.2405, 0.3320



15.2056, 0.4965, 0.3270

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.



38.5809, 0.4093, 0.3580



38.5809, 0.2405, 0.3320



38.5809, 0.3473, 0.2849

Square

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



38.5809, 0.2405, 0.3320



38.5809, 0.2558, 0.2514



38.5809, 0.3894, 0.3194



38.5809, 0.3678, 0.4149

Rectangle

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



38.5809, 0.2405, 0.3320



38.5809, 0.2262, 0.2673



38.5809, 0.3894, 0.3194



38.5809, 0.4065, 0.3824

Sweetspot

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



38.5824, 0.2405, 0.3320



78.2638, 0.2861, 0.3298



35.8623, 0.3058, 0.5206



17.0901, 0.2821, 0.3299



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.5824, 0.2405, 0.3320



67.6867, 0.2325, 0.3328



21.0932, 0.2193, 0.2388



10.2077, 0.2988, 0.3294



25.9168, 0.2262, 0.3342



0.9145, 0.2258, 0.3327

Inverse Universe

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



15.2056, 0.4965, 0.3270



22.1080, 0.5600, 0.3273



24.9095, 0.4478, 0.4000



9.0148, 0.3285, 0.3286



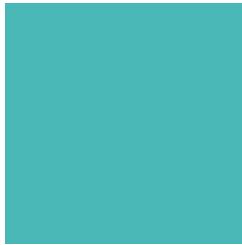
7.0293, 0.6377, 0.3287



0.2487, 0.6282, 0.3234

Previews

White Background



This preview shows how the Yxy color 38.5809, 0.2405, 0.3320 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 38.5809, 0.2405, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

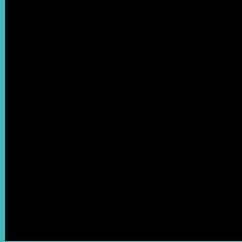
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

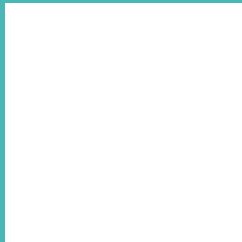
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5809, 0.2405, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 38.5809, 0.2405, 0.3320.

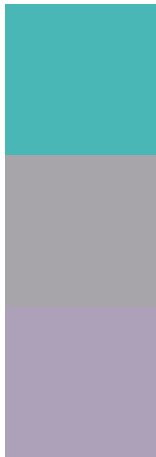


This preview shows how white text looks on a background with the Yxy color 38.5809, 0.2405, 0.3320.

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

38.5809, 0.2405, 0.3320

Protanopia

38.0280, 0.3103, 0.3220

Deuteranopia

37.9191, 0.3023, 0.2951



Tritanopia

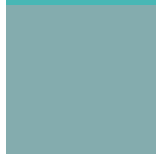
38.6076, 0.2349, 0.3073

Trichromacy



Original Color

38.5809, 0.2405, 0.3320



Protanomaly

37.4666, 0.2775, 0.3259



Deuteranomaly

37.0709, 0.2731, 0.3068



Tritanomaly

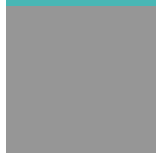
38.7101, 0.2370, 0.3163

Monochromacy



Original Color

38.5809, 0.2405, 0.3320



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.5514, 0.2780, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5809, 0.2405, 0.3320 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(72, 183, 181)` looks like.

```
.text, #text, p{  
    color:rgb(72, 183, 181)  
}
```

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(72, 183, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 183, 181) }
```

Border

The CSS property to change the border of an element to Yxy 38.5809, 0.2405, 0.3320 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(72, 183, 181) }
```

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

```
.border{ border-color:rgb(72, 183, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 183, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 183, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 183, 181);  
box-shadow:4px 4px 4px 4px rgb(72, 183,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5809, 0.2405, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 183, 181) }
```

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

```
.background{ background-color: rgb(72, 183,  
181) }
```

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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