

Converting Colors

$Y_{xy}(40.3412, 0.2425, 0.3205)$

Have a look what the booklet for
Yxy(40.3412, 0.2425, 0.3205)
contains.

Yxy(40.4419, 0.2428, 0.3212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.4419, 0.2428, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	57B9BE
RGB	87, 185, 190
RGB Percent	34%, 73%, 75%
CMY	0.6589, 0.2745, 0.2550
CMYK	0.54, 0.03, 0.00, 0.25
HSL	183°, 44%, 54%
HSV	183°, 54%, 75%
XYZ	30.5707, 40.4419, 54.8962
YIQ	156.2680, -60.0130, -19.2210

Conversions

Conversions Part 2

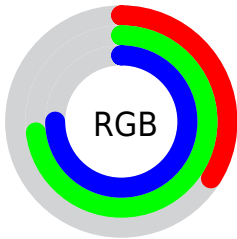
Format	Color
RYB	87, 137, 190
Decimal	5749182
CIELab	69.78, -27.18, -11.28
CIElCh	70, 29.425, 202.539
Yxy	40.4419, 0.2428, 0.3212
Android (android.graphics.Color)	4283939262 (0xFF57B9BE)
YUV	156.2680, 16.6299, -60.7480
Hunter-Lab	63.5939, -25.4815, -6.6652

Details

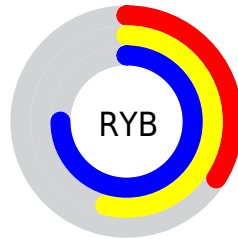
The Yxy color **40.4419, 0.2428, 0.3212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.2797, 0.4666, 0.3360**, and the grayscale version is **33.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5842, 0.2554, 0.3230**, and **18.3798, 0.2232, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **39.2640, 0.2347, 0.3196**, and if you desaturate by 10%, it is **41.8660, 0.2527, 0.3228**.

Distribution



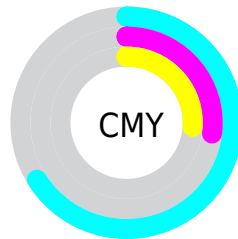
- Red (34%)
- Green (73%)
- Blue (75%)



- Red (34%)
- Yellow (54%)
- Blue (75%)



- Cyan (54%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (66%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4419, 0.2428, 0.3212 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 40.4419, 0.2428, 0.3212 by changing the saturation by 10% instead.

 40.4419, 0.2428,
0.3212


 40.4419, 0.2428,
0.3212


347.9826, 0.2778,
0.3261

 27.8833, 0.2341,
0.3197


 75.8360, 0.2555,
0.3232

 18.2377, 0.2231,
0.3175


 99.4402, 0.2602,
0.3239

 11.1208, 0.2084,
0.3143


 127.4950, 0.2643,
0.3244

 6.1481, 0.1884,
0.3091

 160.3849, 0.2677,
0.3249

 2.9354, 0.1594,
0.3000

198.4942, 0.2707,
0.3253

 1.0981, 0.0958,
0.2874

242.2073, 0.2734,

 0.0000, 0.0000,

0.3256

0.0000

291.9086, 0.2757,
0.3258

■ 40.4419, 0.2428,
0.3212

■ 40.4419, 0.2428,
0.3212

■ 39.2640, 0.2347,
0.3196

■ 41.8660, 0.2527,
0.3228

■ 38.3082, 0.2285,
0.3180

■ 43.5488, 0.2643,
0.3243

■ 37.5539, 0.2241,
0.3163

■ 45.5075, 0.2772,
0.3258

■ 36.9740, 0.2215,
0.3148

■ 47.7566, 0.2913,
0.3272

■ 36.6869, 0.2205,
0.3139

■ 50.3094, 0.3063,
0.3285

■ 53.1785, 0.3217,
0.3297

■ 56.3756, 0.3375,
0.3307

■ 59.9122, 0.3533,
0.3317

■ 63.2310, 0.3664,
0.3326

Harmonies

Analogous

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



40.4419, 0.2702, 0.3637



40.4419, 0.2428, 0.3212



40.4419, 0.2334, 0.2849

Triad

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



40.4419, 0.2428, 0.3212



40.4419, 0.3107, 0.2720



40.4419, 0.3854, 0.3932

Complementary

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



40.4419, 0.2428, 0.3212



19.2797, 0.4666, 0.3360

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.



40.4419, 0.3989, 0.3642



40.4419, 0.2428, 0.3212



40.4419, 0.3543, 0.2968

Square

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



40.4419, 0.2428, 0.3212



40.4419, 0.2704, 0.2600



40.4419, 0.3875, 0.3296



40.4419, 0.3523, 0.4068

Rectangle

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



40.4419, 0.2428, 0.3212



40.4419, 0.2378, 0.2690



40.4419, 0.3875, 0.3296



40.4419, 0.3925, 0.3847

Sweetspot

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



40.4434, 0.2428, 0.3212



85.6856, 0.2884, 0.3269



39.5883, 0.3028, 0.4953



18.6245, 0.2854, 0.3266



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.4434, 0.2428, 0.3212



70.8224, 0.2334, 0.3193



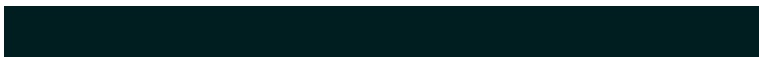
23.0848, 0.2257, 0.2380



10.7285, 0.2985, 0.3278



24.4352, 0.2206, 0.3141



0.9816, 0.2216, 0.3178

Inverse Universe

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



21.2622, 0.3245, 0.2066



32.8522, 0.3272, 0.1869



30.9535, 0.4244, 0.4029



9.6881, 0.3145, 0.3075



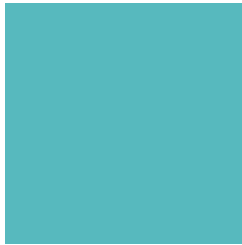
9.4964, 0.3332, 0.1609



0.3745, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 40.4419, 0.2428, 0.3212 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 40.4419, 0.2428, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

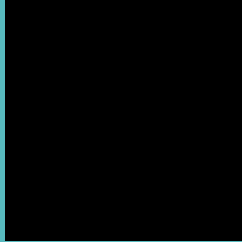
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

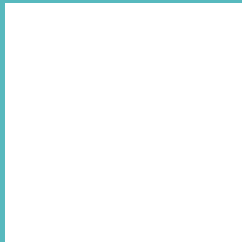
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4419, 0.2428, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 40.4419, 0.2428, 0.3212.

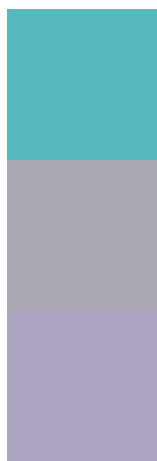


This preview shows how white text looks on a background with the Yxy color 40.4419, 0.2428, 0.3212.

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

40.4419, 0.2428, 0.3212

Protanopia

39.7356, 0.3036, 0.3125

Deuteranopia

39.8040, 0.2966, 0.2905



Tritanopia

40.5782, 0.2391, 0.3064

Trichromacy



Original Color

40.4419, 0.2428, 0.3212

Protanomaly

39.2218, 0.2760, 0.3144

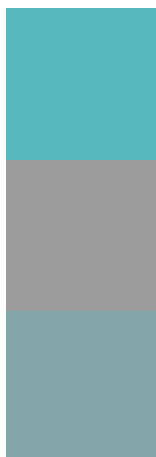
Deuteranomaly

39.1061, 0.2717, 0.2991

Tritanomaly

40.3903, 0.2402, 0.3107

Monochromacy



Original Color

40.4419, 0.2428, 0.3212

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2899, 0.2806, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4419, 0.2428, 0.3212 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(87, 185, 190)` looks like.

```
.text, #text, p{  
    color:rgb(87, 185, 190)  
}
```

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(87, 185, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 185, 190) }
```

Border

The CSS property to change the border of an element to Yxy 40.4419, 0.2428, 0.3212 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(87, 185, 190) }
```

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

```
.border{ border-color:rgb(87, 185, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 185, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 185, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 185, 190);  
box-shadow:4px 4px 4px 4px rgb(87, 185,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4419, 0.2428, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 185, 190) }
```

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

```
.background{ background-color: rgb(87, 185,  
190) }
```

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