

Converting Colors

$Y_{xy}(38.5410, 0.2543, 0.3288)$

Have a look what the booklet for
Yxy(38.5410, 0.2543, 0.3288)
contains.

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Color

Yxy(38.7045, 0.2542, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	65B4B4
RGB	101, 180, 180
RGB Percent	40%, 71%, 71%
CMY	0.6042, 0.2941, 0.2940
CMYK	0.44, 0.00, 0.00, 0.29
HSL	180°, 35%, 55%
HSV	180°, 44%, 71%
XYZ	29.9230, 38.7045, 49.0869
YIQ	156.3790, -47.0840, -16.7480

Conversions

Conversions Part 2

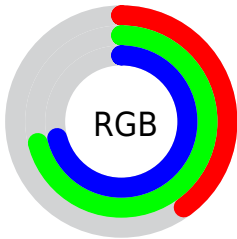
Format	Color
RYB	101, 141, 180
Decimal	6665396
CIELab	68.54, -24.24, -7.60
CIELCh	69, 25.405, 197.412
Yxy	38.7045, 0.2542, 0.3288
Android (android.graphics.Color)	4284855476 (0xFF65B4B4)
YUV	156.3790, 11.6452, -48.5674
Hunter-Lab	62.2129, -23.0182, -3.2316

Details

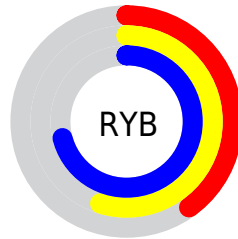
The Yxy color **38.7045, 0.2542, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.9436, 0.4265, 0.3294**, and the grayscale version is **33.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2151, 0.2652, 0.3289**, and **17.2465, 0.2375, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **37.7774, 0.2448, 0.3288**, and if you desaturate by 10%, it is **39.8621, 0.2653, 0.3288**.

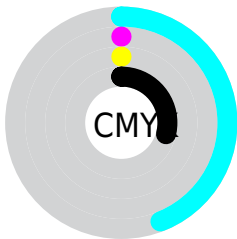
Distribution



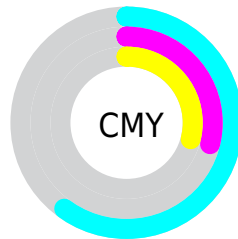
- Red (40%)
- Green (71%)
- Blue (71%)



- Red (40%)
- Yellow (55%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)




- Cyan (60%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7045, 0.2542, 0.3288 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 38.7045, 0.2542, 0.3288 by changing the saturation by 10% instead.


 38.7045, 0.2542,
0.3288


 38.7045, 0.2542,
0.3288

340.6325, 0.2839,
0.3295


 26.5299, 0.2467,
0.3284


 73.1867, 0.2651,
0.3292

 17.2205, 0.2370,
0.3278


 96.2631, 0.2691,
0.3293

 10.3918, 0.2240,
0.3267


 123.7422, 0.2725,
0.3294

 5.6595, 0.2059,
0.3248

 156.0084, 0.2755,
0.3294

 2.6392, 0.1788,
0.3206

193.4462, 0.2780,
0.3295

 0.9464, 0.1041,
0.3214

236.4399, 0.2802,

 0.0000, 0.0000,

0.3295

0.0000

285.3738, 0.2821,
0.3295

■ 38.7045, 0.2542,
0.3288

■ 38.7045, 0.2542,
0.3288

■ 37.7774, 0.2448,
0.3288

■ 39.8621, 0.2653,
0.3288

■ 37.0614, 0.2372,
0.3287

■ 41.2595, 0.2780,
0.3289

■ 36.5410, 0.2315,
0.3287

■ 42.9107, 0.2919,
0.3289

■ 36.1970, 0.2276,
0.3287

■ 44.8274, 0.3067,
0.3290

■ 36.0059, 0.2255,
0.3287


■ 47.0205, 0.3222,
0.3290

 35.9344, 0.2246,
0.3287

 49.5006, 0.3381,
0.3291

 52.2774, 0.3540,
0.3291

 55.3602, 0.3699,
0.3292

 57.2164, 0.3787,
0.3292

Harmonies

Analogous

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



38.7045, 0.2809, 0.3651



38.7045, 0.2542, 0.3288



38.7045, 0.2428, 0.2953

Triad

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



38.7045, 0.2542, 0.3288



38.7045, 0.3046, 0.2758



38.7045, 0.3800, 0.3821

Complementary

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



38.7045, 0.2542, 0.3288



19.9436, 0.4265, 0.3294

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.



38.7045, 0.3881, 0.3555



38.7045, 0.2542, 0.3288



38.7045, 0.3430, 0.2962

Square

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



38.7045, 0.2542, 0.3288



38.7045, 0.2705, 0.2675



38.7045, 0.3743, 0.3246



38.7045, 0.3536, 0.3963

Rectangle

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



38.7045, 0.2542, 0.3288



38.7045, 0.2447, 0.2793



38.7045, 0.3743, 0.3246



38.7045, 0.3851, 0.3742

Sweetspot

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



38.7060, 0.2542, 0.3288



78.0111, 0.2929, 0.3289



36.3547, 0.3064, 0.4635



16.7095, 0.2897, 0.3289



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.



38.7060, 0.2542, 0.3288



68.4800, 0.2448, 0.3288



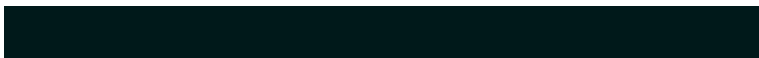
24.9571, 0.2431, 0.2633



9.6313, 0.2986, 0.3290



25.0720, 0.2246, 0.3287



0.7890, 0.2246, 0.3287

Inverse Universe

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



22.2977, 0.3177, 0.2234



34.7762, 0.3187, 0.2027



29.5424, 0.4000, 0.3859



8.6467, 0.3138, 0.3066



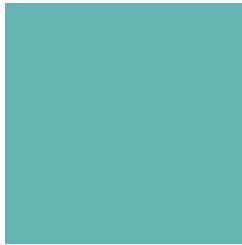
9.0712, 0.3210, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 38.7045, 0.2542, 0.3288 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 38.7045, 0.2542, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

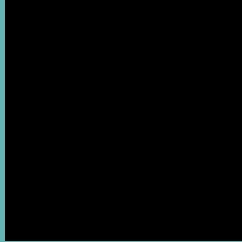
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

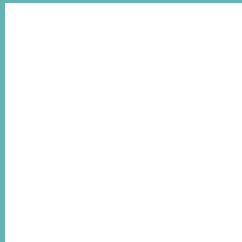
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7045, 0.2542, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 38.7045, 0.2542, 0.3288.

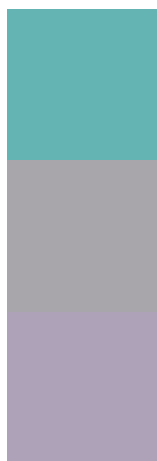


This preview shows how white text looks on a background with the Yxy color 38.7045, 0.2542, 0.3288.

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

38.7045, 0.2542, 0.3288

Protanopia

38.1754, 0.3103, 0.3206

Deuteranopia

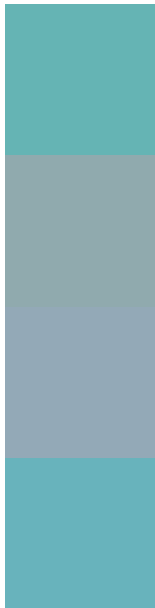
38.3000, 0.3049, 0.2992



Tritanopia

38.6498, 0.2489, 0.3077

Trichromacy



Original Color

38.7045, 0.2542, 0.3288

Protanomaly

37.7347, 0.2869, 0.3230

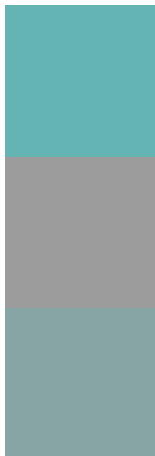
Deuteranomaly

37.9979, 0.2825, 0.3088

Tritanomaly

38.8141, 0.2509, 0.3152

Monochromacy



Original Color

38.7045, 0.2542, 0.3288

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.8611, 0.2868, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7045, 0.2542, 0.3288 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(101, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 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(101, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.7045, 0.2542, 0.3288 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(101, 180, 180) }
```

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

```
.border{ border-color:rgb(101, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 180, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 180, 180); box-shadow:4px 4px 4px 4px rgb(101, 180, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7045, 0.2542, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 180) }
```

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

```
.background{ background-color: rgb(101,  
180, 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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