

Converting Colors

$Yxy(39.7243, 0.2580, 0.3413)$

Have a look what the booklet for
Yxy(39.7243, 0.2580, 0.3413)
contains.

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Color

Yxy(39.7288, 0.2580, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	65B7AF
RGB	101, 183, 175
RGB Percent	40%, 72%, 69%
CMY	0.6042, 0.2823, 0.3137
CMYK	0.45, 0.00, 0.04, 0.28
HSL	174°, 36%, 56%
HSV	174°, 45%, 72%
XYZ	30.0323, 39.7288, 46.6432
YIQ	157.5700, -46.3040, -19.8720

Conversions

Conversions Part 2

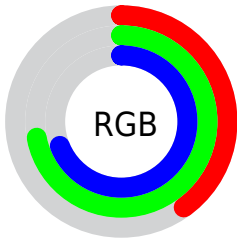
Format	Color
RYB	101, 144, 183
Decimal	6666159
CIELab	69.28, -27.01, -3.74
CIELCh	69, 27.272, 187.881
Yxy	39.7288, 0.2580, 0.3413
Android (android.graphics.Color)	4284856239 (0xFF65B7AF)
YUV	157.5700, 8.5930, -49.6119
Hunter-Lab	63.0308, -25.2539, 0.2465

Details

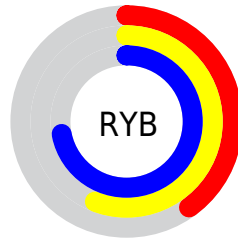
The Yxy color **39.7288, 0.2580, 0.3413** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.4660, 0.4184, 0.3179**, and the grayscale version is **33.9570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6143, 0.2686, 0.3394**, and **17.9308, 0.2419, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **38.7201, 0.2494, 0.3445**, and if you desaturate by 10%, it is **40.9767, 0.2682, 0.3382**.

Distribution



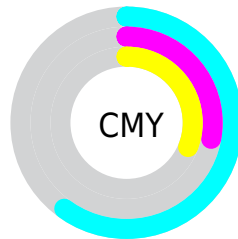
- Red (40%)
- Green (72%)
- Blue (69%)



- Red (40%)
- Yellow (56%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)




- Cyan (60%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7288, 0.2580, 0.3413 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 39.7288, 0.2580, 0.3413 by changing the saturation by 10% instead.


 39.7288, 0.2580,
0.3413


 39.7288, 0.2580,
0.3413

344.9792, 0.2858,
0.3354


 27.3272, 0.2510,
0.3427


 74.7504, 0.2682,
0.3392

 17.8191, 0.2419,
0.3445


 98.1391, 0.2720,
0.3384

 10.8202, 0.2297,
0.3467


 125.9589, 0.2752,
0.3377

 5.9460, 0.2125,
0.3496

 158.5943, 0.2779,
0.3371

 2.8123, 0.1867,
0.3533

196.4296, 0.2803,
0.3366

 1.0345, 0.1133,
0.3704

239.8493, 0.2823,

 0.0000, 0.0000,

0.3361

0.0000

289.2377, 0.2842,
0.3357

■ 39.7288, 0.2580,
0.3413

■ 39.7288, 0.2580,
0.3413

■ 38.7201, 0.2494,
0.3445

■ 40.9767, 0.2682,
0.3382

■ 37.9301, 0.2426,
0.3478

■ 42.4735, 0.2798,
0.3353

■ 37.3426, 0.2377,
0.3511


■ 44.2340, 0.2924,
0.3326


■ 36.9372, 0.2347,
0.3544

■ 46.2703, 0.3059,
0.3301

■ 36.6889, 0.2335,
0.3577


■ 48.5941, 0.3200,
0.3279

 36.5944, 0.2332,
0.3594

 51.2161, 0.3344,
0.3258

 54.1467, 0.3488,
0.3240

 57.3957, 0.3631,
0.3224

 58.8974, 0.3681,
0.3207

Harmonies

Analogous

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



39.7288, 0.2903, 0.3782



39.7288, 0.2580, 0.3413



39.7288, 0.2405, 0.3032

Triad

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



39.7288, 0.2580, 0.3413



39.7288, 0.2915, 0.2683



39.7288, 0.3895, 0.3772

Complementary

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



39.7288, 0.2580, 0.3413



20.4660, 0.4184, 0.3179

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.



39.7288, 0.3908, 0.3466



39.7288, 0.2580, 0.3413



39.7288, 0.3321, 0.2862

Square

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



39.7288, 0.2580, 0.3413



39.7288, 0.2588, 0.2641



39.7288, 0.3693, 0.3141



39.7288, 0.3667, 0.3978

Rectangle

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



39.7288, 0.2580, 0.3413



39.7288, 0.2387, 0.2834



39.7288, 0.3693, 0.3141



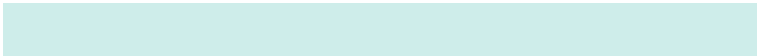
39.7288, 0.3925, 0.3677

Sweetspot

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



39.7304, 0.2580, 0.3413



79.7716, 0.2946, 0.3322



38.0707, 0.3124, 0.4644



17.4523, 0.2917, 0.3328



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.



39.7304, 0.2580, 0.3413



69.3293, 0.2494, 0.3445



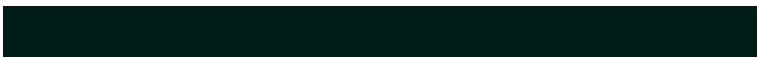
28.0527, 0.2440, 0.2755



10.1951, 0.2998, 0.3312



25.5305, 0.2331, 0.3590



0.9044, 0.2307, 0.3505

Inverse Universe

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



20.4660, 0.4184, 0.3179



30.3816, 0.4570, 0.3160



27.9924, 0.4079, 0.3759



9.0261, 0.3273, 0.3268



7.0581, 0.6270, 0.3228



0.2536, 0.5825, 0.2982

Previews

White Background



This preview shows how the Yxy color 39.7288, 0.2580, 0.3413 looks on a white background.

Color Contrast Check

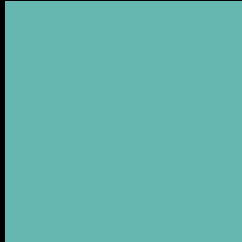
Large Text (above 18pt) WCAG AA × Fail

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 39.7288, 0.2580, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

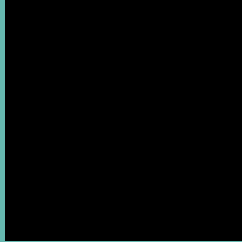
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7288, 0.2580, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 39.7288, 0.2580, 0.3413.

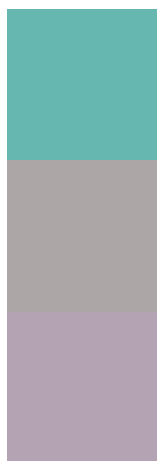


This preview shows how white text looks on a background with the Yxy color 39.7288, 0.2580, 0.3413.

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

39.7288, 0.2580, 0.3413

Protanopia

39.1613, 0.3182, 0.3304

Deuteranopia

39.1524, 0.3147, 0.3076



Tritanopia

39.7084, 0.2488, 0.3065

Trichromacy



Original Color

39.7288, 0.2580, 0.3413

Protanomaly

38.8627, 0.2926, 0.3348

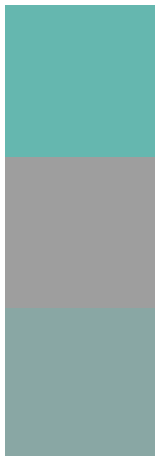
Deuteranomaly

38.5431, 0.2897, 0.3174

Tritanomaly

39.6818, 0.2520, 0.3182

Monochromacy



Original Color

39.7288, 0.2580, 0.3413

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6361, 0.2886, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7288, 0.2580, 0.3413 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, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(101, 183, 175)  
}
```

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, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 39.7288, 0.2580, 0.3413 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, 183, 175) }
```

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

```
.border{ border-color:rgb(101, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(101, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7288, 0.2580, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 183, 175) }
```

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

```
.background{ background-color: rgb(101,  
183, 175) }
```

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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