

Converting Colors

$Yxy(36.9138, 0.2398, 0.3160)$

Have a look what the booklet for
Yxy(36.9138, 0.2398, 0.3160)
contains.

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Color

Yxy(37.1353, 0.2399, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	51B2BA
RGB	81, 178, 186
RGB Percent	32%, 70%, 73%
CMY	0.6824, 0.3019, 0.2706
CMYK	0.56, 0.04, 0.00, 0.27
HSL	185°, 43%, 52%
HSV	185°, 56%, 73%
XYZ	28.1744, 37.1353, 52.1327
YIQ	149.9090, -60.3800, -18.0760

Conversions

Conversions Part 2

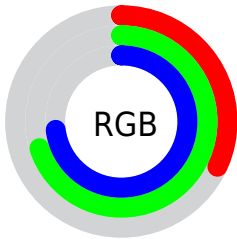
Format	Color
R _Y B	81, 131, 186
Decimal	5354170
CIE Lab	67.38, -26.01, -12.71
CIE LCh	67, 28.946, 206.041
Yxy	37.1353, 0.2399, 0.3162
Android (android.graphics.Color)	4283544250 (0xFF51B2BA)
YUV	149.9090, 17.7929, -60.4332
Hunter-Lab	60.9387, -24.1150, -8.0651

Details

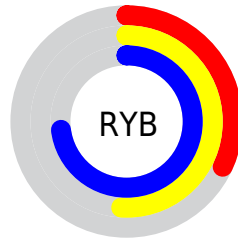
The Yxy color **37.1353, 0.2399, 0.3162** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.1714, 0.4736, 0.3401**, and the grayscale version is **30.3995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7454, 0.2532, 0.3193**, and **16.3607, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **35.8647, 0.2319, 0.3136**, and if you desaturate by 10%, it is **38.6395, 0.2497, 0.3187**.

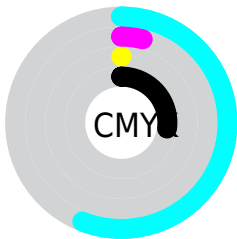
Distribution



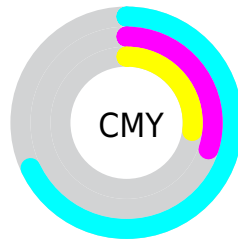
- Red (32%)
- Green (70%)
- Blue (73%)



- Red (32%)
- Yellow (51%)
- Blue (73%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)





- Cyan (68%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1353, 0.2399, 0.3162 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 37.1353, 0.2399, 0.3162 by changing the saturation by 10% instead.


 37.1353, 0.2399,
0.3162


 37.1353, 0.2399,
0.3162


333.8959, 0.2767,
0.3238


 25.3123, 0.2306,
0.3139


 70.7808, 0.2534,
0.3193

 16.3099, 0.2187,
0.3107


 93.3721, 0.2584,
0.3203

 9.7437, 0.2029,
0.3060


 120.3216, 0.2626,
0.3212

 5.2293, 0.1810,
0.2985

 152.0137, 0.2663,
0.3219

 2.3824, 0.1492,
0.2854

188.8328, 0.2694,
0.3225

 0.8168, 0.0474,
0.2735

231.1632, 0.2722,

 0.0000, 0.0000,

0.3230

0.0000

279.3895, 0.2746,
0.3234

■ 37.1353, 0.2399,
0.3162

■ 37.1353, 0.2399,
0.3162

■ 35.8647, 0.2319,
0.3136

■ 38.6395, 0.2497,
0.3187

■ 34.8045, 0.2257,
0.3110

■ 40.3899, 0.2612,
0.3212

■ 33.9344, 0.2214,
0.3085

■ 42.4030, 0.2741,
0.3235

■ 33.2251, 0.2188,
0.3059

■ 44.6927, 0.2881,
0.3257

■ 32.9919, 0.2181,
0.3050

■ 47.2721, 0.3029,
0.3278

■ 50.1530, 0.3182,
0.3296

■ 53.3471, 0.3338,
0.3313

■ 56.8650, 0.3494,
0.3329

■ 60.7171, 0.3648,
0.3342

Harmonies

Analogous

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



37.1353, 0.2656, 0.3593



37.1353, 0.2399, 0.3162



37.1353, 0.2326, 0.2810

Triad

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



37.1353, 0.2399, 0.3162



37.1353, 0.3159, 0.2737



37.1353, 0.3832, 0.3965

Complementary

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



37.1353, 0.2399, 0.3162



18.1714, 0.4736, 0.3401

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.



37.1353, 0.3996, 0.3685



37.1353, 0.2399, 0.3162



37.1353, 0.3595, 0.3000

Square

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



37.1353, 0.2399, 0.3162



37.1353, 0.2741, 0.2599



37.1353, 0.3911, 0.3337



37.1353, 0.3480, 0.4079

Rectangle

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



37.1353, 0.2399, 0.3162



37.1353, 0.2386, 0.2662



37.1353, 0.3911, 0.3337



37.1353, 0.3912, 0.3885

Sweetspot

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



37.1367, 0.2399, 0.3162



80.6548, 0.2869, 0.3255



37.5677, 0.3006, 0.4972



17.5701, 0.2840, 0.3251



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.1367, 0.2399, 0.3162



64.4641, 0.2300, 0.3129



20.3398, 0.2211, 0.2274



10.0906, 0.2985, 0.3272



22.2468, 0.2182, 0.3054



0.8192, 0.2200, 0.3119

Inverse Universe

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



19.5349, 0.3287, 0.2056



29.9999, 0.3326, 0.1860



29.9311, 0.4270, 0.4099



9.1506, 0.3149, 0.3082



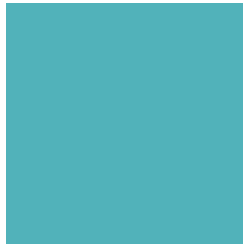
9.0282, 0.3407, 0.1651



0.3218, 0.3351, 0.1619

Previews

White Background



This preview shows how the Yxy color 37.1353, 0.2399, 0.3162 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 37.1353, 0.2399, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

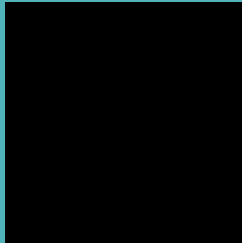
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1353, 0.2399, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 37.1353, 0.2399, 0.3162.

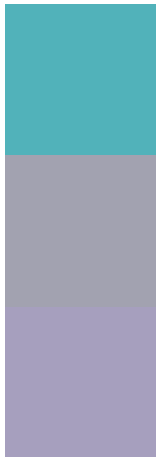


This preview shows how white text looks on a background with the Yxy color 37.1353, 0.2399, 0.3162.

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

37.1353, 0.2399, 0.3162

Protanopia

36.6566, 0.3007, 0.3091

Deuteranopia

36.6210, 0.2927, 0.2864



Tritanopia

37.0449, 0.2378, 0.3070

Trichromacy



Original Color

37.1353, 0.2399, 0.3162

Protanomaly

36.2871, 0.2735, 0.3109

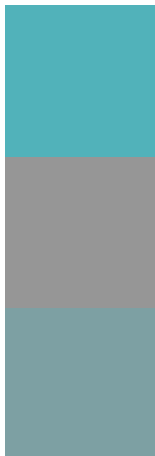
Deuteranomaly

36.0975, 0.2683, 0.2952

Tritanomaly

36.9122, 0.2384, 0.3100

Monochromacy



Original Color

37.1353, 0.2399, 0.3162

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1459, 0.2787, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1353, 0.2399, 0.3162 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(81, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(81, 178, 186)  
}
```

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(81, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 178, 186) }
```

Border

The CSS property to change the border of an element to Yxy 37.1353, 0.2399, 0.3162 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(81, 178, 186) }
```

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

```
.border{ border-color:rgb(81, 178, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(81, 178,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1353, 0.2399, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 178, 186) }
```

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

```
.background{ background-color: rgb(81, 178,  
186) }
```

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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