

Converting Colors

$Yxy(36.9378, 0.2383, 0.3157)$

Have a look what the booklet for
Yxy(36.9378, 0.2383, 0.3157)
contains.

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Color

Yxy(37.0057, 0.2386, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	4EB2BA
RGB	78, 178, 186
RGB Percent	31%, 70%, 73%
CMY	0.6937, 0.3020, 0.2705
CMYK	0.58, 0.04, 0.00, 0.27
HSL	184°, 44%, 52%
HSV	184°, 58%, 73%
XYZ	27.9328, 37.0057, 52.1311
YIQ	149.0120, -62.1680, -18.7120

Conversions

Conversions Part 2

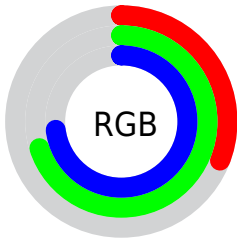
Format	Color
RYB	78, 130, 186
Decimal	5157562
CIELab	67.28, -26.54, -12.87
CIElCh	67, 29.502, 205.872
Yxy	37.0057, 0.2386, 0.3161
Android (android.graphics.Color)	4283347642 (0xFF4EB2BA)
YUV	149.0120, 18.2351, -62.2775
Hunter-Lab	60.8323, -24.4934, -8.2268

Details

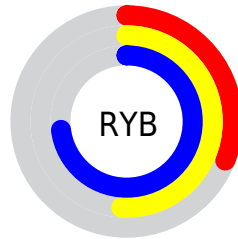
The Yxy color **37.0057, 0.2386, 0.3161** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.6697, 0.4805, 0.3400**, and the grayscale version is **30.0145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5748, 0.2523, 0.3193**, and **16.3607, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **35.7806, 0.2309, 0.3136**, and if you desaturate by 10%, it is **38.4615, 0.2482, 0.3186**.

Distribution



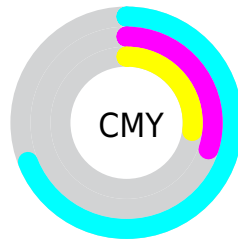
- Red (31%)
- Green (70%)
- Blue (73%)



- Red (31%)
- Yellow (51%)
- Blue (73%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)





- Cyan (69%)
- Magenta (30%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0057, 0.2386, 0.3161 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 37.0057, 0.2386, 0.3161 by changing the saturation by 10% instead.


 37.0057, 0.2386,
0.3161


 37.0057, 0.2386,
0.3161


333.3352, 0.2761,
0.3238

 25.2119, 0.2292,
0.3138


 70.5816, 0.2523,
0.3192


 16.2350, 0.2171,
0.3105


 93.1324, 0.2574,
0.3203

 9.6906, 0.2010,
0.3057


 120.0377, 0.2617,
0.3211

 5.1943, 0.1788,
0.2981

 151.6819, 0.2654,
0.3219

 2.3617, 0.1464,
0.2847

188.4493, 0.2686,
0.3225

 0.8061, 0.0400,
0.2731

230.7244, 0.2714,

 0.0000, 0.0000,

0.3230

0.0000

278.8916, 0.2739,
0.3234

■ 37.0057, 0.2386,
0.3161

■ 37.0057, 0.2386,
0.3161

■ 35.7806, 0.2309,
0.3136

■ 38.4615, 0.2482,
0.3186

■ 34.7626, 0.2250,
0.3111

■ 40.1607, 0.2594,
0.3210

■ 33.9306, 0.2210,
0.3086

■ 42.1202, 0.2720,
0.3233

■ 33.2494, 0.2186,
0.3061

■ 44.3541, 0.2858,
0.3255

■ 33.1202, 0.2182,
0.3056

■ 46.8754, 0.3005,
0.3275

■ 49.6963, 0.3158,
0.3294

■ 52.8285, 0.3314,
0.3310

■ 56.2827, 0.3470,
0.3326

■ 60.0693, 0.3625,
0.3339

Harmonies

Analogous

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



37.0057, 0.2648, 0.3602



37.0057, 0.2386, 0.3161



37.0057, 0.2311, 0.2802

Triad

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



37.0057, 0.2386, 0.3161



37.0057, 0.3157, 0.2726



37.0057, 0.3847, 0.3977

Complementary

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



37.0057, 0.2386, 0.3161



17.6697, 0.4805, 0.3400

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.



37.0057, 0.4014, 0.3689



37.0057, 0.2386, 0.3161



37.0057, 0.3603, 0.2992

Square

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



37.0057, 0.2386, 0.3161



37.0057, 0.2731, 0.2586



37.0057, 0.3926, 0.3335



37.0057, 0.3489, 0.4096

Rectangle

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



37.0057, 0.2386, 0.3161



37.0057, 0.2371, 0.2651



37.0057, 0.3926, 0.3335



37.0057, 0.3929, 0.3894

Sweetspot

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



37.0071, 0.2386, 0.3161



80.6959, 0.2869, 0.3256



37.4083, 0.3003, 0.5023



17.5802, 0.2840, 0.3252



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.



37.0071, 0.2386, 0.3161



64.2244, 0.2288, 0.3128



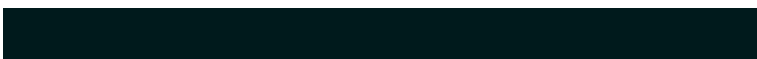
19.8046, 0.2187, 0.2240



10.0932, 0.2985, 0.3272



22.3271, 0.2183, 0.3059



0.8213, 0.2201, 0.3123

Inverse Universe

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



19.1197, 0.3289, 0.2027



29.3371, 0.3329, 0.1833



29.5320, 0.4308, 0.4117



9.1509, 0.3149, 0.3081



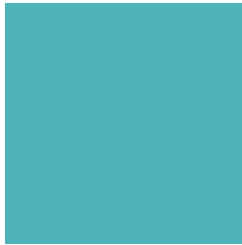
9.0363, 0.3402, 0.1648



0.3220, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 37.0057, 0.2386, 0.3161 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 37.0057, 0.2386, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

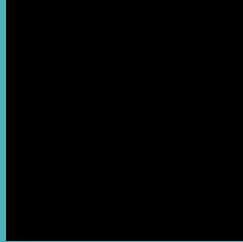
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0057, 0.2386, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 37.0057, 0.2386, 0.3161.

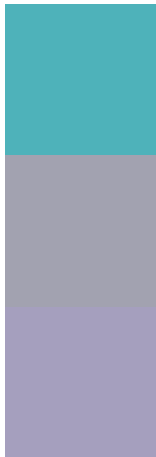


This preview shows how white text looks on a background with the Yxy color 37.0057, 0.2386, 0.3161.

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

37.0057, 0.2386, 0.3161

Protanopia

36.6566, 0.3007, 0.3091

Deuteranopia

36.5133, 0.2918, 0.2863



Tritanopia

36.9113, 0.2364, 0.3069

Trichromacy



Original Color

37.0057, 0.2386, 0.3161

Protanomaly

36.1258, 0.2719, 0.3109

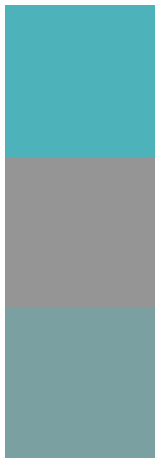
Deuteranomaly

35.9331, 0.2668, 0.2950

Tritanomaly

36.7807, 0.2371, 0.3099

Monochromacy



Original Color

37.0057, 0.2386, 0.3161

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9612, 0.2778, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0057, 0.2386, 0.3161 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(78, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 178, 186) }
```

Border

The CSS property to change the border of an element to Yxy 37.0057, 0.2386, 0.3161 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(78, 178, 186) }
```

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

```
.border{ border-color:rgb(78, 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(78, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(78, 178,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0057, 0.2386, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 178, 186) }
```

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

```
.background{ background-color: rgb(78, 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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