

Converting Colors

$Yxy(37.8107, 0.2393, 0.3265)$

Have a look what the booklet for
Yxy(37.8107, 0.2393, 0.3265)
contains.

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Color

Yxy(37.8416, 0.2396, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	49B5B6
RGB	73, 181, 182
RGB Percent	29%, 71%, 71%
CMY	0.7140, 0.2902, 0.2863
CMYK	0.60, 0.01, 0.00, 0.29
HSL	181°, 43%, 50%
HSV	181°, 60%, 71%
XYZ	27.7104, 37.8416, 50.1008
YIQ	148.8220, -64.6890, -22.5850

Conversions

Conversions Part 2

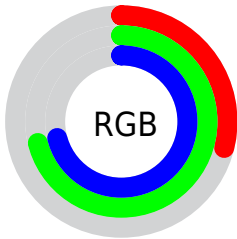
Format	Color
RYB	73, 127, 182
Decimal	4830646
CIELab	67.90, -30.11, -9.74
CIELCh	68, 31.649, 197.928
Yxy	37.8416, 0.2396, 0.3272
Android (android.graphics.Color)	4283020726 (0xFF49B5B6)
YUV	148.8220, 16.3568, -66.4959
Hunter-Lab	61.5155, -27.2447, -5.2274

Details

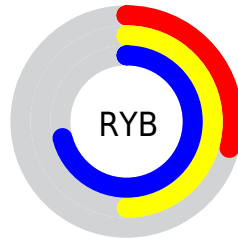
The Yxy color **37.8416, 0.2396, 0.3272** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.3115, 0.4955, 0.3308**, and the grayscale version is **29.9187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7280, 0.2530, 0.3276**, and **17.0233, 0.2240, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **37.1667, 0.2330, 0.3269**, and if you desaturate by 10%, it is **38.7274, 0.2480, 0.3275**.

Distribution



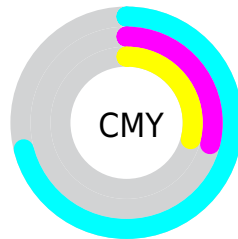
- Red (29%)
- Green (71%)
- Blue (71%)



- Red (29%)
- Yellow (50%)
- Blue (71%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8416, 0.2396, 0.3272 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 37.8416, 0.2396, 0.3272 by changing the saturation by 10% instead.

 37.8416, 0.2396,
0.3272


 37.8416, 0.2396,
0.3272


336.9400, 0.2766,
0.3291


 25.8598, 0.2303,
0.3264


 71.8653, 0.2531,
0.3281


 16.7188, 0.2184,
0.3251


 94.6759, 0.2581,
0.3284


 10.0342, 0.2025,
0.3231


 121.8650, 0.2624,
0.3286

 5.4216, 0.1805,
0.3194

 153.8168, 0.2661,
0.3287

 2.4967, 0.1484,
0.3120

 190.9158, 0.2692,
0.3289

 0.8750, 0.0348,
0.3156

233.5465, 0.2720,

 0.0000, 0.0000,

0.3289

0.0000

282.0930, 0.2744,
0.3290

■ 37.8416, 0.2396,
0.3272

■ 37.8416, 0.2396,
0.3272

■ 37.1667, 0.2330,
0.3269

■ 38.7274, 0.2480,
0.3275

■ 36.6796, 0.2284,
0.3266

■ 39.8362, 0.2583,
0.3278

■ 36.3597, 0.2255,
0.3263

■ 41.1843, 0.2701,
0.3281

■ 36.1616, 0.2239,
0.3260

■ 42.7853, 0.2833,
0.3284

■ 36.1604, 0.2239,
0.3260

■ 44.6517, 0.2977,
0.3287

■ 46.7953, 0.3128,
0.3290

■ 49.2270, 0.3285,
0.3293

■ 51.9573, 0.3444,
0.3295

■ 54.9961, 0.3603,
0.3297

Harmonies

Analogous

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



37.8416, 0.2719, 0.3741



37.8416, 0.2396, 0.3272



37.8416, 0.2263, 0.2855

Triad

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



37.8416, 0.2396, 0.3272



37.8416, 0.3030, 0.2639



37.8416, 0.3963, 0.3949

Complementary

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



37.8416, 0.2396, 0.3272



15.3115, 0.4955, 0.3308

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.



37.8416, 0.4075, 0.3613



37.8416, 0.2396, 0.3272



37.8416, 0.3513, 0.2889

Square

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



37.8416, 0.2396, 0.3272



37.8416, 0.2606, 0.2532



37.8416, 0.3908, 0.3235



37.8416, 0.3624, 0.4139

Rectangle

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



37.8416, 0.2396, 0.3272



37.8416, 0.2290, 0.2664



37.8416, 0.3908, 0.3235



37.8416, 0.4030, 0.3847

Sweetspot

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



37.8430, 0.2396, 0.3272



78.0843, 0.2856, 0.3285



35.3506, 0.3038, 0.5195



17.0442, 0.2816, 0.3284



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.



37.8430, 0.2396, 0.3272



67.0541, 0.2313, 0.3268



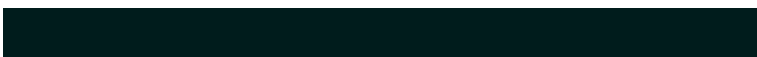
20.0893, 0.2188, 0.2334



10.1962, 0.2985, 0.3287



25.5407, 0.2239, 0.3260



0.9049, 0.2241, 0.3268

Inverse Universe

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



18.0368, 0.3204, 0.1926



28.0066, 0.3217, 0.1731



25.7238, 0.4422, 0.4042



9.1613, 0.3139, 0.3067



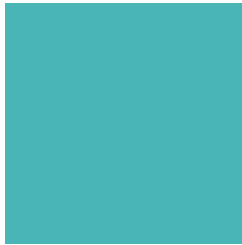
9.3607, 0.3232, 0.1554



0.3304, 0.3225, 0.1551

Previews

White Background



This preview shows how the Yxy color 37.8416, 0.2396, 0.3272 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 37.8416, 0.2396, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

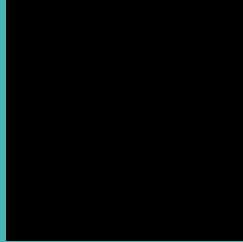
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

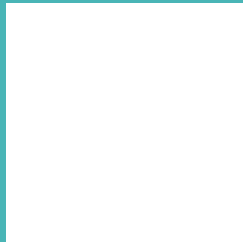
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8416, 0.2396, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 37.8416, 0.2396, 0.3272.

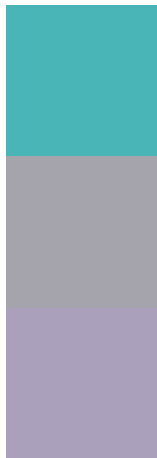


This preview shows how white text looks on a background with the Yxy color 37.8416, 0.2396, 0.3272.

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

37.8416, 0.2396, 0.3272

Protanopia

37.1340, 0.3077, 0.3177

Deuteranopia

37.2755, 0.2987, 0.2921



Tritanopia

37.7549, 0.2347, 0.3056

Trichromacy



Original Color

37.8416, 0.2396, 0.3272



Protanomaly

36.7501, 0.2766, 0.3213



Deuteranomaly

36.6589, 0.2714, 0.3038



Tritanomaly

37.8967, 0.2363, 0.3132

Monochromacy



Original Color

37.8416, 0.2396, 0.3272



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.1279, 0.2770, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8416, 0.2396, 0.3272 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(73, 181, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 181, 182)  
}
```

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(73, 181, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 181, 182) }
```

Border

The CSS property to change the border of an element to Yxy 37.8416, 0.2396, 0.3272 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(73, 181, 182) }
```

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

```
.border{ border-color:rgb(73, 181, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 181, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 181, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 181, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 181,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8416, 0.2396, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 181, 182) }
```

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

```
.background{ background-color: rgb(73, 181,  
182) }
```

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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