

Converting Colors

$Yxy(37.5826, 0.2340, 0.3191)$

Have a look what the booklet for
Yxy(37.5826, 0.2340, 0.3191)
contains.

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Color

Yxy(37.7594, 0.2340, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	41B5BB
RGB	65, 181, 187
RGB Percent	25%, 71%, 73%
CMY	0.7446, 0.2902, 0.2666
CMYK	0.65, 0.03, 0.00, 0.27
HSL	183°, 48%, 49%
HSV	183°, 65%, 73%
XYZ	27.6808, 37.7594, 52.8537
YIQ	147.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

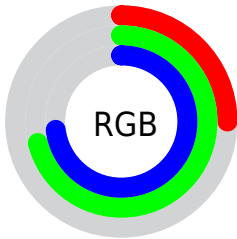
Format	Color
RYB	65, 124, 187
Decimal	4306363
CIELab	67.84, -29.97, -12.62
CIElCh	68, 32.519, 202.844
Yxy	37.7594, 0.2340, 0.3192
Android (android.graphics.Color)	4282496443 (0xFF41B5BB)
YUV	147.0000, 19.7200, -71.9140
Hunter-Lab	61.4487, -27.1264, -7.9829




Details

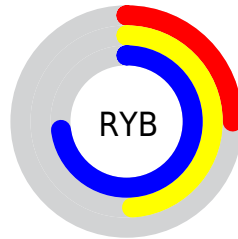
The Yxy color **37.7594, 0.2340, 0.3192** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.4761, 0.5162, 0.3368**, and the grayscale version is **29.1308, 0.3127, 0.3290**.




A 20% lighter version of the original color is **71.5515, 0.2482, 0.3216**, and **17.1596, 0.2209, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **36.8486, 0.2279, 0.3175**, and if you desaturate by 10%, it is **38.8870, 0.2419, 0.3209**.

Distribution







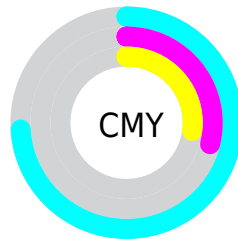
-  Red (25%)
-  Green (71%)
-  Blue (73%)






-  Red (25%)
-  Yellow (49%)
-  Blue (73%)



-  Cyan (65%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (27%)





-  Cyan (74%)
-  Magenta (29%)
-  Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7594, 0.2340, 0.3192 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 37.7594, 0.2340, 0.3192 by changing the saturation by 10% instead.


 37.7594, 0.2340,
0.3192


 37.7594, 0.2340,
0.3192


336.5867, 0.2736,
0.3254

 25.7960, 0.2241,
0.3172


 71.7392, 0.2484,
0.3218

 16.6711, 0.2114,
0.3144


 94.5244, 0.2538,
0.3226

 10.0003, 0.1947,
0.3102


 121.6857, 0.2584,
0.3233

 5.3991, 0.1717,
0.3033

 153.6074, 0.2623,
0.3239

 2.4833, 0.1387,
0.2910

 190.6740, 0.2657,
0.3244

 0.8683, 0.0305,
0.2825

233.2698, 0.2687,

 0.0000, 0.0000,

0.3248

0.0000

281.7792, 0.2713,
0.3251

■ 37.7594, 0.2340,
0.3192

■ 37.7594, 0.2340,
0.3192

■ 36.8486, 0.2279,
0.3175

■ 38.8870, 0.2419,
0.3209

■ 36.1284, 0.2238,
0.3159

■ 40.2458, 0.2517,
0.3225

■ 35.5737, 0.2213,
0.3143

■ 41.8540, 0.2631,
0.3241

■ 35.3381, 0.2204,
0.3135

■ 43.7269, 0.2759,
0.3256

■ 45.8784, 0.2899,
0.3270

■ 48.3214, 0.3048,
0.3284

■ 51.0681, 0.3202,
0.3296

■ 54.1300, 0.3359,
0.3307

■ 57.5179, 0.3517,
0.3317

Harmonies

Analogous

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



37.7594, 0.2642, 0.3679



37.7594, 0.2340, 0.3192



37.7594, 0.2239, 0.2786

Triad

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



37.7594, 0.2340, 0.3192



37.7594, 0.3107, 0.2656



37.7594, 0.3942, 0.4011

Complementary

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



37.7594, 0.2340, 0.3192



15.4761, 0.5162, 0.3368

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.



37.7594, 0.4102, 0.3682



37.7594, 0.2340, 0.3192



37.7594, 0.3601, 0.2931

Square

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



37.7594, 0.2340, 0.3192



37.7594, 0.2654, 0.2519



37.7594, 0.3977, 0.3295



37.7594, 0.3565, 0.4173

Rectangle

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



37.7594, 0.2340, 0.3192



37.7594, 0.2290, 0.2611



37.7594, 0.3977, 0.3295



37.7594, 0.4024, 0.3914

Sweetspot

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



37.7608, 0.2340, 0.3192



80.1028, 0.2826, 0.3263



37.1092, 0.3012, 0.5311



17.4054, 0.2787, 0.3259



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.



37.7608, 0.2340, 0.3192



65.4144, 0.2260, 0.3169



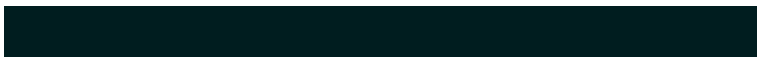
18.6377, 0.2097, 0.2157



10.7264, 0.2985, 0.3278



24.3743, 0.2205, 0.3137



0.9798, 0.2216, 0.3176

Inverse Universe

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



17.6978, 0.3272, 0.1884



27.3724, 0.3301, 0.1715



26.9514, 0.4526, 0.4141



9.6879, 0.3145, 0.3075



9.4903, 0.3335, 0.1611



0.3743, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 37.7594, 0.2340, 0.3192 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 37.7594, 0.2340, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

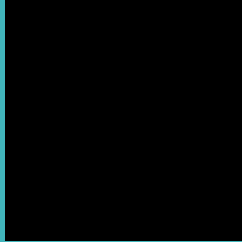
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

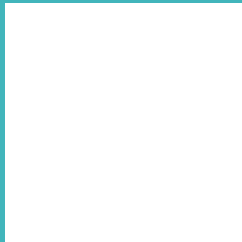
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7594, 0.2340, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 37.7594, 0.2340, 0.3192.

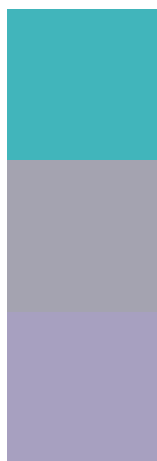


This preview shows how white text looks on a background with the Yxy color 37.7594, 0.2340, 0.3192.

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

37.7594, 0.2340, 0.3192

Protanopia

37.2215, 0.3025, 0.3107

Deuteranopia

37.1629, 0.2920, 0.2854



Tritanopia

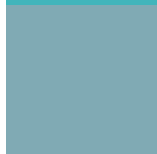
37.8028, 0.2315, 0.3070

Trichromacy



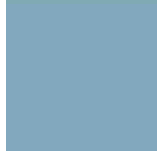
Original Color

37.7594, 0.2340, 0.3192



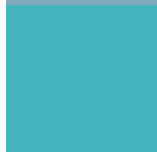
Protanomaly

36.6339, 0.2700, 0.3138



Deuteranomaly

36.4688, 0.2642, 0.2965



Tritanomaly

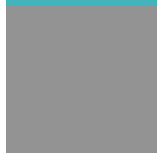
37.6330, 0.2327, 0.3115

Monochromacy



Original Color

37.7594, 0.2340, 0.3192



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.1868, 0.2728, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7594, 0.2340, 0.3192 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(65, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(65, 181, 187)  
}
```

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(65, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 181, 187) }
```

Border

The CSS property to change the border of an element to Yxy 37.7594, 0.2340, 0.3192 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(65, 181, 187) }
```

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

```
.border{ border-color:rgb(65, 181, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 181, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 181, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 181, 187);  
box-shadow:4px 4px 4px 4px rgb(65, 181,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7594, 0.2340, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 181, 187) }
```

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

```
.background{ background-color: rgb(65, 181,  
187) }
```

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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