

Converting Colors

$Yxy(37.3734, 0.2319, 0.3145)$

Have a look what the booklet for
Yxy(37.3734, 0.2319, 0.3145)
contains.

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Color

Yxy(37.3734, 0.2319, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	3FB4BD
RGB	63, 180, 189
RGB Percent	25%, 71%, 74%
CMY	0.7528, 0.2941, 0.2588
CMYK	0.67, 0.05, 0.00, 0.26
HSL	184°, 50%, 49%
HSV	184°, 67%, 74%
XYZ	27.5577, 37.3734, 53.9033
YIQ	146.0430, -72.6210, -22.0050

Conversions

Conversions Part 2

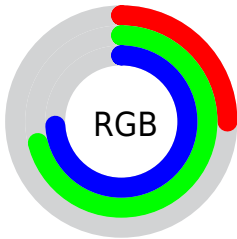
Format	Color
RYB	63, 124, 189
Decimal	4175037
CIELab	67.56, -29.22, -14.15
CIELCh	68, 32.471, 205.840
Yxy	37.3734, 0.2319, 0.3145
Android (android.graphics.Color)	4282365117 (0xFF3FB4BD)
YUV	146.0430, 21.1778, -72.8287
Hunter-Lab	61.1338, -26.5205, -9.4839

Details

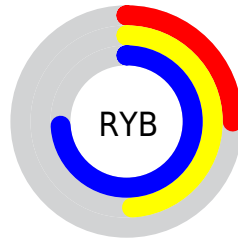
The Yxy color **37.3734, 0.2319, 0.3145** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.8173, 0.5204, 0.3401**, and the grayscale version is **28.7019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0191, 0.2467, 0.3181**, and **16.9563, 0.2191, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **36.3129, 0.2259, 0.3121**, and if you desaturate by 10%, it is **38.6556, 0.2398, 0.3169**.

Distribution



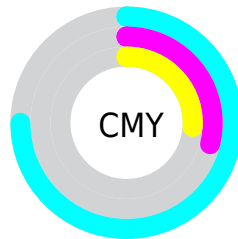
- Red (25%)
- Green (71%)
- Blue (74%)



- Red (25%)
- Yellow (49%)
- Blue (74%)



- Cyan (67%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (75%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3734, 0.2319, 0.3145 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 37.3734, 0.2319, 0.3145 by changing the saturation by 10% instead.

 37.3734, 0.2319,
0.3145


 37.3734, 0.2319,
0.3145


334.9243, 0.2726,
0.3232

 25.4967, 0.2218,
0.3118


 71.1467, 0.2467,
0.3180

 16.4475, 0.2088,
0.3082


 93.8121, 0.2522,
0.3192


 9.8414, 0.1917,
0.3027


 120.8426, 0.2569,
0.3202

 5.2939, 0.1683,
0.2941

 152.6225, 0.2610,
0.3210

 2.4207, 0.1348,
0.2792

 189.5362, 0.2645,
0.3217

 0.8365, 0.0259,
0.2652

231.9682, 0.2675,

 0.0000, 0.0000,

0.3223

0.0000

280.3027, 0.2702,
0.3228

■ 37.3734, 0.2319,
0.3145

■ 37.3734, 0.2319,
0.3145

■ 36.3129, 0.2259,
0.3121

■ 38.6556, 0.2398,
0.3169

■ 35.4469, 0.2217,
0.3097

■ 40.1750, 0.2496,
0.3193

■ 34.7462, 0.2192,
0.3073

■ 41.9504, 0.2610,
0.3216

■ 34.5280, 0.2185,
0.3065

■ 43.9976, 0.2738,
0.3238

■ 46.3312, 0.2878,
0.3259

■ 48.9646, 0.3026,
0.3278

■ 51.9104, 0.3179,
0.3296

■ 55.1805, 0.3335,
0.3312

■ 58.7861, 0.3492,
0.3326

Harmonies

Analogous

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



37.3734, 0.2603, 0.3633



37.3734, 0.2319, 0.3145



37.3734, 0.2239, 0.2753

Triad

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



37.3734, 0.2319, 0.3145



37.3734, 0.3157, 0.2676



37.3734, 0.3914, 0.4038

Complementary

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



37.3734, 0.2319, 0.3145



15.8173, 0.5204, 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.



37.3734, 0.4100, 0.3720



37.3734, 0.2319, 0.3145



37.3734, 0.3648, 0.2964

Square

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



37.3734, 0.2319, 0.3145



37.3734, 0.2693, 0.2524



37.3734, 0.4004, 0.3334



37.3734, 0.3520, 0.4177

Rectangle

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



37.3734, 0.2319, 0.3145



37.3734, 0.2304, 0.2591



37.3734, 0.4004, 0.3334



37.3734, 0.4004, 0.3946

Sweetspot

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



37.3748, 0.2319, 0.3145



81.3847, 0.2825, 0.3251



37.9127, 0.2992, 0.5300



17.2491, 0.2786, 0.3245



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.



37.3748, 0.2319, 0.3145



64.2787, 0.2237, 0.3110



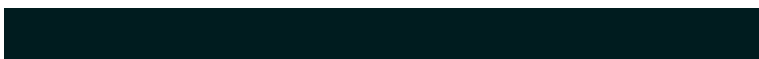
17.6000, 0.2058, 0.2049



10.6897, 0.2985, 0.3273



23.2796, 0.2186, 0.3068



0.9471, 0.2201, 0.3125

Inverse Universe

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



17.6732, 0.3311, 0.1887



27.3287, 0.3352, 0.1726



28.3432, 0.4521, 0.4206



9.6842, 0.3148, 0.3080



9.3798, 0.3395, 0.1644



0.3710, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 37.3734, 0.2319, 0.3145 looks on a white background.

Color Contrast Check

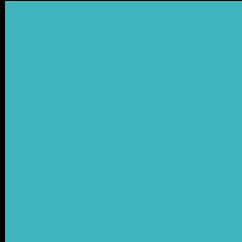
Large Text (above 18pt) WCAG AA × Fail

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 37.3734, 0.2319, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

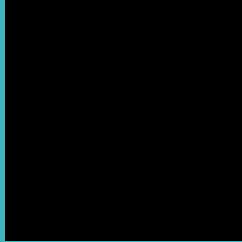
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

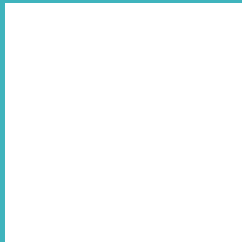
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3734, 0.2319, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 37.3734, 0.2319, 0.3145.

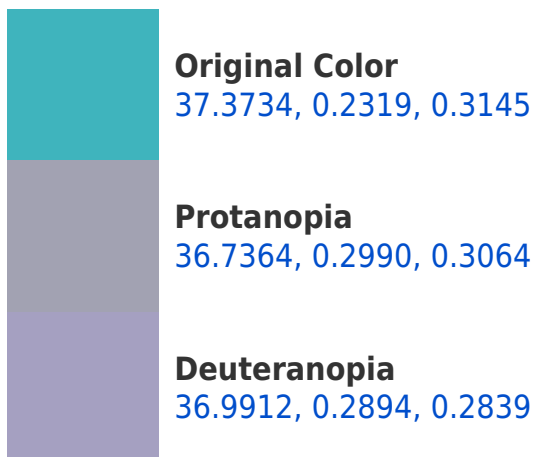


This preview shows how white text looks on a background with the Yxy color 37.3734, 0.2319, 0.3145.

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





Tritanopia

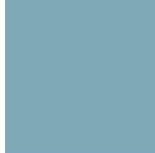
37.2935, 0.2301, 0.3053

Trichromacy



Original Color

37.3734, 0.2319, 0.3145



Protanomaly

36.1890, 0.2669, 0.3093



Deuteranomaly

36.0324, 0.2612, 0.2920



Tritanomaly

37.1698, 0.2307, 0.3083

Monochromacy



Original Color

37.3734, 0.2319, 0.3145



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

30.7754, 0.2718, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3734, 0.2319, 0.3145 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(63, 180, 189)` looks like.

```
.text, #text, p{  
    color:rgb(63, 180, 189)  
}
```

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(63, 180, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 180, 189) }
```

Border

The CSS property to change the border of an element to Yxy 37.3734, 0.2319, 0.3145 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(63, 180, 189) }
```

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

```
.border{ border-color:rgb(63, 180, 189) }
```

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

Here you see how a box with a 4 pixel rgb(63, 180, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 180, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 180, 189);  
box-shadow:4px 4px 4px 4px rgb(63, 180,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3734, 0.2319, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 180, 189) }
```

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

```
.background{ background-color: rgb(63, 180,  
189) }
```

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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