

Converting Colors

$Yxy(39.9814, 0.2311, 0.3291)$

Have a look what the booklet for
Yxy(39.9814, 0.2311, 0.3291)
contains.

| | |
|---|----|
| Yxy(40.1586, 0.2314, 0.3303) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(40.1586, 0.2314, 0.3303)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2FBCBB |
| RGB | 47, 188, 187 |
| RGB Percent | 18%, 74%, 73% |
| CMY | 0.8147, 0.2628, 0.2666 |
| CMYK | 0.75, 0.00, 0.01, 0.26 |
| HSL | 180°, 60%, 46% |
| HSV | 180°, 75%, 74% |
| XYZ | 28.1341, 40.1586, 53.2895 |
| YIQ | 145.7270, -83.7150, -30.2030 |

Conversions

Conversions Part 2

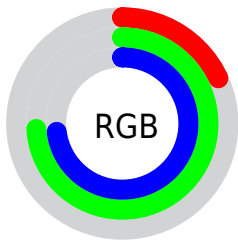
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 47, 118, 188 |
| Decimal | 3128507 |
| CIELab | 69.58, -35.67, -10.06 |
| CIElCh | 70, 37.057, 195.747 |
| Yxy | 40.1586, 0.2314, 0.3303 |
| Android (android.graphics.Color) | 4281318587 (0xFF2FBCBB) |
| YUV | 145.7270, 20.3476, -86.5836 |
| Hunter-Lab | 63.3708, -31.6520, -5.4983 |

Details

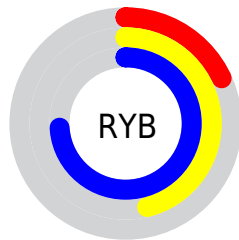
The Yxy color **40.1586, 0.2314, 0.3303** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.9574, 0.5660, 0.3288**, and the grayscale version is **28.5964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5578, 0.2462, 0.3312**, and **18.7714, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **39.7976, 0.2278, 0.3305**, and if you desaturate by 10%, it is **40.7152, 0.2369, 0.3301**.

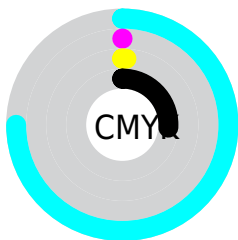
Distribution



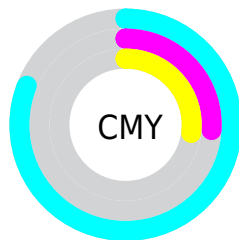
- Red (18%)
- Green (74%)
- Blue (73%)



- Red (18%)
- Yellow (46%)
- Blue (74%)



- Cyan (75%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)





- Cyan (81%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1586, 0.2314, 0.3303 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 40.1586, 0.2314, 0.3303 by changing the saturation by 10% instead.

 40.1586, 0.2314,
0.3303


 40.1586, 0.2314,
0.3303


346.7916, 0.2720,
0.3308


 27.6622, 0.2214,
0.3298


 75.4050, 0.2461,
0.3307

 18.0712, 0.2086,
0.3289


 98.9237, 0.2516,
0.3308

 11.0011, 0.1918,
0.3273


 126.8854, 0.2563,
0.3309

 6.0676, 0.1690,
0.3243

 159.6745, 0.2603,
0.3309

 2.8862, 0.1365,
0.3178

 197.6752, 0.2638,
0.3309

 1.0726, 0.0408,
0.3180

241.2720, 0.2669,

 0.0000, 0.0000,

0.3308

0.0000

290.8494, 0.2696,
0.3308

■ 40.1586, 0.2314,
0.3303

■ 40.1586, 0.2314,
0.3303

■ 39.7976, 0.2278,
0.3305

■ 40.7152, 0.2369,
0.3301

■ 39.6011, 0.2259,
0.3307

■ 41.4849, 0.2442,
0.3299

■ 39.5361, 0.2252,
0.3308

■ 42.4882, 0.2534,
0.3297

■ 43.7418, 0.2644,
0.3295

■ 45.2613, 0.2768,
0.3293

■ 47.0606, 0.2906,
0.3292

■ 49.1529, 0.3053,
0.3291

■ 51.5505, 0.3207,
0.3289

■ 54.2649, 0.3365,
0.3288

Harmonies

Analogous

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



40.1586, 0.2690, 0.3849



40.1586, 0.2314, 0.3303



40.1586, 0.2151, 0.2815

Triad

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



40.1586, 0.2314, 0.3303



40.1586, 0.2973, 0.2539



40.1586, 0.4100, 0.4009

Complementary

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



40.1586, 0.2314, 0.3303



12.9574, 0.5660, 0.3288

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.



40.1586, 0.4212, 0.3616



40.1586, 0.2314, 0.3303



40.1586, 0.3529, 0.2809

Square

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



40.1586, 0.2314, 0.3303



40.1586, 0.2504, 0.2430



40.1586, 0.3999, 0.3190



40.1586, 0.3723, 0.4256

Rectangle

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



40.1586, 0.2314, 0.3303



40.1586, 0.2171, 0.2592



40.1586, 0.3999, 0.3190



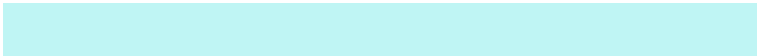
40.1586, 0.4172, 0.3888

Sweetspot

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



40.1601, 0.2314, 0.3303



82.8106, 0.2802, 0.3293



36.8364, 0.3026, 0.5631



17.6298, 0.2766, 0.3294



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.



40.1601, 0.2314, 0.3303



71.8717, 0.2263, 0.3307



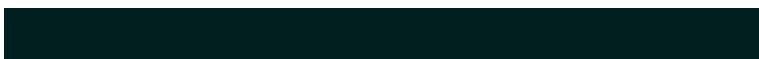
17.6637, 0.2003, 0.2085



10.8084, 0.2986, 0.3291



26.9224, 0.2252, 0.3308



1.0549, 0.2251, 0.3303

Inverse Universe

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



12.9574, 0.5660, 0.3288



20.1244, 0.6239, 0.3294



23.2199, 0.4862, 0.4118



9.5374, 0.3287, 0.3289



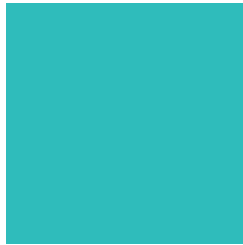
7.2816, 0.6392, 0.3295



0.2856, 0.6357, 0.3276

Previews

White Background



This preview shows how the Yxy color 40.1586, 0.2314, 0.3303 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 40.1586, 0.2314, 0.3303 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

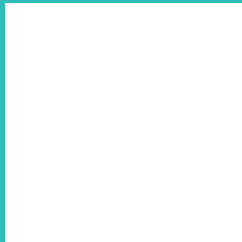
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1586, 0.2314, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 40.1586, 0.2314, 0.3303.

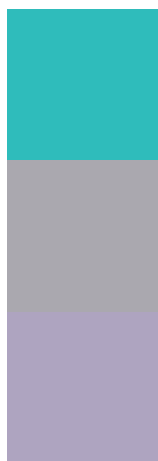


This preview shows how white text looks on a background with the Yxy color 40.1586, 0.2314, 0.3303.

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

40.1586, 0.2314, 0.3303

Protanopia

39.6465, 0.3086, 0.3193

Deuteranopia

39.3554, 0.2982, 0.2916



Tritanopia

40.2047, 0.2266, 0.3059

Trichromacy



Original Color

40.1586, 0.2314, 0.3303

Protanomaly

38.2746, 0.2693, 0.3229

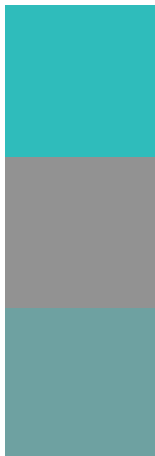
Deuteranomaly

38.1940, 0.2637, 0.3039

Tritanomaly

40.2831, 0.2282, 0.3148

Monochromacy



Original Color

40.1586, 0.2314, 0.3303

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.3779, 0.2684, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1586, 0.2314, 0.3303 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(47, 188, 187)` looks like.

```
.text, #text, p{  
    color:rgb(47, 188, 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(47, 188, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 188, 187) }
```

Border

The CSS property to change the border of an element to Yxy 40.1586, 0.2314, 0.3303 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(47, 188, 187) }
```

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

```
.border{ border-color:rgb(47, 188, 187) }
```

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

Here you see how a box with a 4 pixel rgb(47, 188, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 188, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 188, 187);  
box-shadow:4px 4px 4px 4px rgb(47, 188,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1586, 0.2314, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 188, 187) }
```

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

```
.background{ background-color: rgb(47, 188,  
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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