

Converting Colors

$Y_{xy}(36.1845, 0.2385, 0.3586)$

Have a look what the booklet for
Yxy(36.1845, 0.2385, 0.3586)
contains.

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Color

Yxy(36.1792, 0.2383, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	28B5A4
RGB	40, 181, 164
RGB Percent	16%, 71%, 64%
CMY	0.8437, 0.2902, 0.3568
CMYK	0.78, 0.00, 0.09, 0.29
HSL	173°, 64%, 43%
HSV	173°, 78%, 71%
XYZ	24.0959, 36.1792, 40.8406
YIQ	136.9030, -78.5790, -35.1790

Conversions

Conversions Part 2

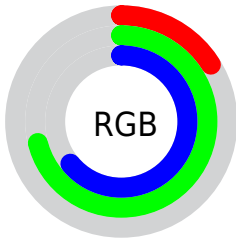
Format	Color
RYB	40, 115, 181
Decimal	2667940
CIELab	66.66, -39.83, -1.72
CIELCh	67, 39.866, 182.480
Yxy	36.1792, 0.2383, 0.3578
Android (android.graphics.Color)	4280858020 (0xFF28B5A4)
YUV	136.9030, 13.3588, -84.9839
Hunter-Lab	60.1491, -33.7535, 1.8471

Details

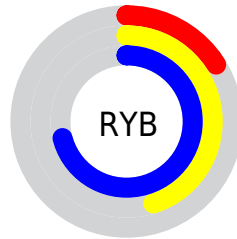
The Yxy color **36.1792, 0.2383, 0.3578** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.6259, 0.5526, 0.3127**, and the grayscale version is **24.9327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5785, 0.2525, 0.3528**, and **16.3486, 0.2347, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **35.8222, 0.2360, 0.3620**, and if you desaturate by 10%, it is **36.7099, 0.2425, 0.3536**.

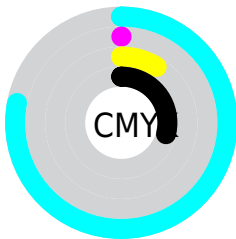
Distribution



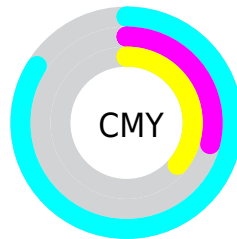
- Red (16%)
- Green (71%)
- Blue (64%)



- Red (16%)
- Yellow (45%)
- Blue (71%)



- Cyan (78%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)




- Cyan (84%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1792, 0.2383, 0.3578 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 36.1792, 0.2383, 0.3578 by changing the saturation by 10% instead.

 36.1792, 0.2383,
0.3578

 36.1792, 0.2383,
0.3578


329.7431, 0.2766,
0.3432

 24.5726, 0.2285,
0.3615


 69.3086, 0.2524,
0.3525


 15.7589, 0.2157,
0.3662


 91.6001, 0.2577,
0.3505


 9.3537, 0.1984,
0.3725


 118.2222, 0.2621,
0.3488

 4.9726, 0.1741,
0.3811

 149.5591, 0.2658,
0.3473

 2.2312, 0.1376,
0.3934

 185.9952, 0.2691,
0.3461

 0.7369, 0.0000,
0.4440

227.9150, 0.2719,

 0.0000, 0.0000,

0.3450

0.0000

275.7029, 0.2744,
0.3440

■ 36.1792, 0.2383,
0.3578

■ 36.1792, 0.2383,
0.3578

■ 35.8222, 0.2360,
0.3620

■ 36.7099, 0.2425,
0.3536

■ 35.6012, 0.2353,
0.3661

■ 37.4312, 0.2485,
0.3495

■ 35.5625, 0.2353,
0.3669

■ 38.3625, 0.2564,
0.3455

■ 39.5196, 0.2659,
0.3416

■ 40.9169, 0.2768,
0.3379

■ 42.5677, 0.2889,
0.3345

■ 44.4841, 0.3019,
0.3313

■ 46.6775, 0.3155,
0.3284

■ 49.1588, 0.3294,
0.3258

Harmonies

Analogous

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



36.1792, 0.2878, 0.4143



36.1792, 0.2383, 0.3578



36.1792, 0.2099, 0.2974

Triad

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



36.1792, 0.2383, 0.3578



36.1792, 0.2704, 0.2388



36.1792, 0.4305, 0.3893

Complementary

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



36.1792, 0.2383, 0.3578



11.6259, 0.5526, 0.3127

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.



36.1792, 0.4275, 0.3432



36.1792, 0.2383, 0.3578



36.1792, 0.3296, 0.2611

Square

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



36.1792, 0.2383, 0.3578



36.1792, 0.2272, 0.2356



36.1792, 0.3892, 0.2980



36.1792, 0.3996, 0.4266

Rectangle

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



36.1792, 0.2383, 0.3578



36.1792, 0.2048, 0.2663



36.1792, 0.3892, 0.2980



36.1792, 0.4336, 0.3743

Sweetspot

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



36.1806, 0.2383, 0.3578



74.5756, 0.2823, 0.3363



34.1236, 0.3094, 0.5649



15.8986, 0.2780, 0.3376



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1806, 0.2383, 0.3578



63.8382, 0.2354, 0.3651



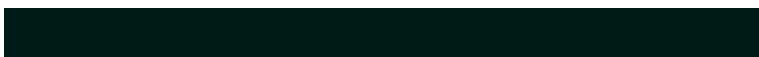
19.5509, 0.2054, 0.2349



9.6136, 0.3001, 0.3317



24.5199, 0.2351, 0.3664



0.7764, 0.2319, 0.3549

Inverse Universe

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



11.6259, 0.5526, 0.3127



18.0678, 0.6141, 0.3199



17.5632, 0.5168, 0.3907



8.5214, 0.3269, 0.3263



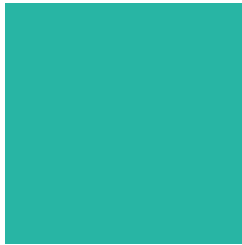
6.8174, 0.6228, 0.3204



0.2198, 0.5676, 0.2900

Previews

White Background



This preview shows how the Yxy color 36.1792, 0.2383, 0.3578 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 36.1792, 0.2383, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

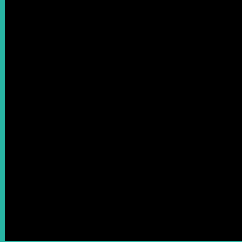
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

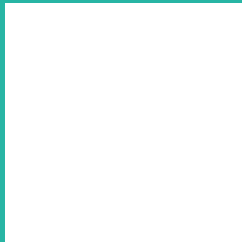
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1792, 0.2383, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 36.1792, 0.2383, 0.3578.

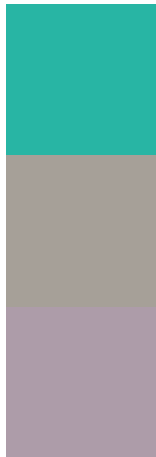


This preview shows how white text looks on a background with the Yxy color 36.1792, 0.2383, 0.3578.

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

36.1792, 0.2383, 0.3578

Protanopia

35.5156, 0.3258, 0.3407

Deuteranopia

35.5257, 0.3175, 0.3108



Tritanopia

36.1357, 0.2284, 0.3065

Trichromacy



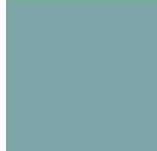
Original Color

36.1792, 0.2383, 0.3578



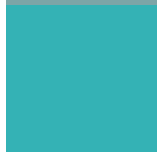
Protanomaly

34.3986, 0.2809, 0.3482



Deuteranomaly

34.0603, 0.2763, 0.3258



Tritanomaly

35.9070, 0.2316, 0.3238

Monochromacy



Original Color

36.1792, 0.2383, 0.3578



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.7138, 0.2712, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1792, 0.2383, 0.3578 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(40, 181, 164)` looks like.

```
.text, #text, p{  
  color:rgb(40, 181, 164)  
}
```

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(40, 181, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 181, 164) }
```

Border

The CSS property to change the border of an element to Yxy 36.1792, 0.2383, 0.3578 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(40, 181, 164) }
```

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

```
.border{ border-color:rgb(40, 181, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 181, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 181, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 181, 164);  
box-shadow:4px 4px 4px 4px rgb(40, 181,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1792, 0.2383, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 181, 164) }
```

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

```
.background{ background-color: rgb(40, 181,  
164) }
```

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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