

Converting Colors

$Yxy(38.3124, 0.2351, 0.3546)$

Have a look what the booklet for
Yxy(38.3124, 0.2351, 0.3546)
contains.

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Color

Yxy(38.2961, 0.2353, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	1EBAAA
RGB	30, 186, 170
RGB Percent	12%, 73%, 67%
CMY	0.8826, 0.2706, 0.3334
CMYK	0.84, 0.00, 0.09, 0.27
HSL	174°, 72%, 42%
HSV	174°, 84%, 73%
XYZ	25.3476, 38.2961, 44.0809
YIQ	137.5320, -87.8400, -38.0480

Conversions

Conversions Part 2

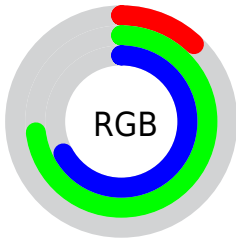
Format	Color
RYB	30, 112, 186
Decimal	2013866
CIELab	68.24, -41.26, -2.72
CIELCh	68, 41.348, 183.766
Yxy	38.2961, 0.2353, 0.3555
Android (android.graphics.Color)	4280203946 (0xFF1EBAAA)
YUV	137.5320, 16.0067, -94.3056
Hunter-Lab	61.8838, -35.1832, 1.0854

Details

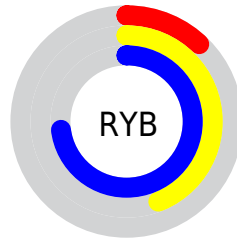
The Yxy color **38.2961, 0.2353, 0.3555** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.5622, 0.5816, 0.3171**, and the grayscale version is **25.1848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6632, 0.2499, 0.3512**, and **17.8105, 0.2337, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **38.0242, 0.2339, 0.3590**, and if you desaturate by 10%, it is **38.7368, 0.2384, 0.3520**.

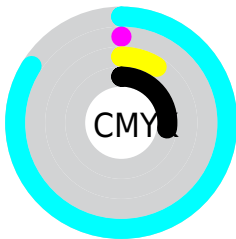
Distribution



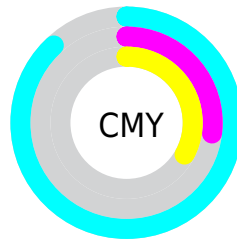
- Red (12%)
- Green (73%)
- Blue (67%)



- Red (12%)
- Yellow (44%)
- Blue (73%)



- Cyan (84%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)




- Cyan (88%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2961, 0.2353, 0.3555 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 38.2961, 0.2353, 0.3555 by changing the saturation by 10% instead.

 38.2961, 0.2353,
0.3555


 38.2961, 0.2353,
0.3555


338.8885, 0.2747,
0.3424


 26.2126, 0.2253,
0.3587


 72.5618, 0.2497,
0.3508


 16.9827, 0.2125,
0.3628


 95.5127, 0.2551,
0.3490

 10.2222, 0.1954,
0.3680


 122.8549, 0.2596,
0.3475

 5.5465, 0.1715,
0.3750

 154.9727, 0.2635,
0.3462

 2.5714, 0.1366,
0.3844

 192.2506, 0.2669,
0.3450

 0.9123, 0.0000,
0.4319

235.0729, 0.2698,

 0.0000, 0.0000,

0.3440

0.0000

283.8241, 0.2724,
0.3431

■ 38.2961, 0.2353,
0.3555

■ 38.2961, 0.2353,
0.3555

■ 38.0242, 0.2339,
0.3590

■ 38.7368, 0.2384,
0.3520

■ 37.9075, 0.2336,
0.3611

■ 39.3673, 0.2435,
0.3485

■ 40.2101, 0.2504,
0.3450

■ 41.2834, 0.2591,
0.3417

■ 42.6035, 0.2694,
0.3384

■ 44.1853, 0.2810,
0.3354

■ 46.0424, 0.2938,
0.3326

■ 48.1875, 0.3073,
0.3300

■ 50.6325, 0.3213,
0.3276

Harmonies

Analogous

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



38.2961, 0.2848, 0.4140



38.2961, 0.2353, 0.3555



38.2961, 0.2076, 0.2944

Triad

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



38.2961, 0.2353, 0.3555



38.2961, 0.2719, 0.2380



38.2961, 0.4317, 0.3920

Complementary

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



38.2961, 0.2353, 0.3555



11.5622, 0.5816, 0.3171

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.



38.2961, 0.4305, 0.3453



38.2961, 0.2353, 0.3555



38.2961, 0.3326, 0.2613

Square

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



38.2961, 0.2353, 0.3555



38.2961, 0.2272, 0.2338



38.2961, 0.3928, 0.2993



38.2961, 0.3990, 0.4294

Rectangle

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



38.2961, 0.2353, 0.3555



38.2961, 0.2032, 0.2635



38.2961, 0.3928, 0.2993



38.2961, 0.4355, 0.3769

Sweetspot

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



38.2976, 0.2353, 0.3555



79.6184, 0.2792, 0.3358



35.8459, 0.3067, 0.5781



17.3039, 0.2750, 0.3369



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.



38.2976, 0.2353, 0.3555



68.6833, 0.2338, 0.3617



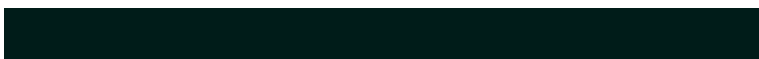
18.7884, 0.1989, 0.2214



10.1943, 0.2999, 0.3313



25.5075, 0.2335, 0.3606



0.9038, 0.2310, 0.3517

Inverse Universe

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



11.5622, 0.5816, 0.3171



18.9911, 0.6304, 0.3246



17.8060, 0.5323, 0.3929



9.0268, 0.3272, 0.3267



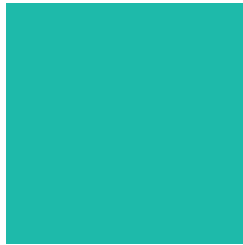
7.0604, 0.6262, 0.3223



0.2539, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 38.2961, 0.2353, 0.3555 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 38.2961, 0.2353, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

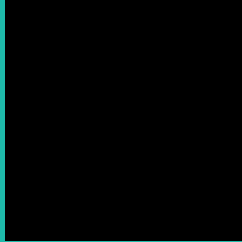
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

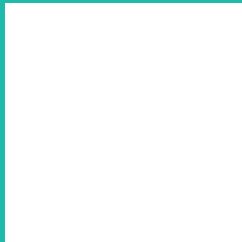
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2961, 0.2353, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 38.2961, 0.2353, 0.3555.

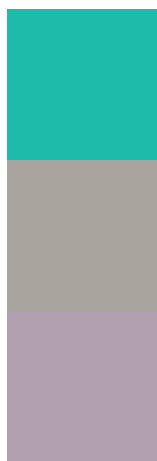


This preview shows how white text looks on a background with the Yxy color 38.2961, 0.2353, 0.3555.

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

38.2961, 0.2353, 0.3555

Protanopia

37.5656, 0.3237, 0.3375

Deuteranopia

37.5063, 0.3137, 0.3071



Tritanopia

38.2440, 0.2258, 0.3054

Trichromacy



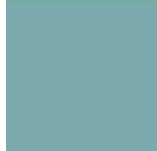
Original Color

38.2961, 0.2353, 0.3555



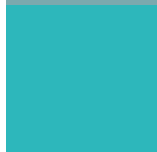
Protanomaly

36.0356, 0.2763, 0.3447



Deuteranomaly

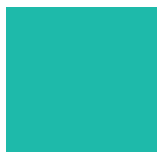
35.6429, 0.2703, 0.3212



Tritanomaly

38.0127, 0.2288, 0.3223

Monochromacy



Original Color

38.2961, 0.2353, 0.3555



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.2973, 0.2669, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2961, 0.2353, 0.3555 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(30, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(30, 186, 170)  
}
```

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(30, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 186, 170) }
```

Border

The CSS property to change the border of an element to Yxy 38.2961, 0.2353, 0.3555 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(30, 186, 170) }
```

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

```
.border{ border-color:rgb(30, 186, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 186, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 186, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 186, 170);  
box-shadow:4px 4px 4px 4px rgb(30, 186,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2961, 0.2353, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 186, 170) }
```

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

```
.background{ background-color: rgb(30, 186,  
170) }
```

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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