

Converting Colors

$Y_{xy}(37.7002, 0.2359, 0.3526)$

Have a look what the booklet for
Yxy(37.7002, 0.2359, 0.3526)
contains.

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Color

Yxy(37.5766, 0.2358, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	25B8AA
RGB	37, 184, 170
RGB Percent	15%, 72%, 67%
CMY	0.8551, 0.2784, 0.3333
CMYK	0.80, 0.00, 0.08, 0.28
HSL	174°, 67%, 43%
HSV	174°, 80%, 72%
XYZ	25.1578, 37.5766, 43.9567
YIQ	138.4510, -83.1180, -35.5180

Conversions

Conversions Part 2

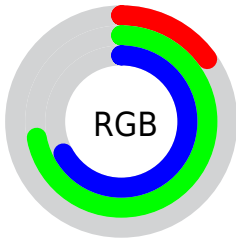
Format	Color
R _Y B	37, 114, 184
Decimal	2472106
CIE Lab	67.71, -39.78, -3.49
CIE LCh	68, 39.929, 185.017
Yxy	37.5766, 0.2358, 0.3522
Android (android.graphics.Color)	4280662186 (0xFF25B8AA)
YUV	138.4510, 15.5537, -88.9725
Hunter-Lab	61.2998, -34.0172, 0.3943

Details

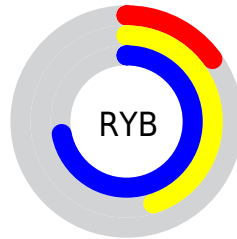
The Yxy color **37.5766, 0.2358, 0.3522** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.7504, 0.5673, 0.3170**, and the grayscale version is **25.5565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6618, 0.2505, 0.3487**, and **17.2733, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **37.2536, 0.2337, 0.3554**, and if you desaturate by 10%, it is **38.0747, 0.2398, 0.3490**.

Distribution



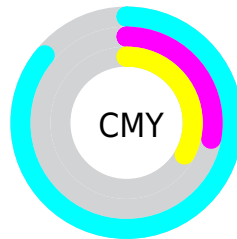
- Red (15%)
- Green (72%)
- Blue (67%)



- Red (15%)
- Yellow (45%)
- Blue (72%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)




- Cyan (86%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5766, 0.2358, 0.3522 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 37.5766, 0.2358, 0.3522 by changing the saturation by 10% instead.


 37.5766, 0.2358,
0.3522


 37.5766, 0.2358,
0.3522


335.8002, 0.2750,
0.3408


 25.6542, 0.2259,
0.3549


 71.4587, 0.2502,
0.3481


 16.5652, 0.2130,
0.3584


 94.1873, 0.2555,
0.3466


 9.9249, 0.1959,
0.3628


 121.2866, 0.2601,
0.3453

 5.3492, 0.1719,
0.3685

 153.1413, 0.2639,
0.3441

 2.4536, 0.1368,
0.3758

 190.1356, 0.2673,
0.3431

 0.8533, 0.0000,
0.4179

232.6539, 0.2702,

 0.0000, 0.0000,

0.3423

0.0000

281.0806, 0.2727,
0.3415

■ 37.5766, 0.2358,
0.3522

■ 37.5766, 0.2358,
0.3522

■ 37.2536, 0.2337,
0.3554

■ 38.0747, 0.2398,
0.3490

■ 37.0556, 0.2330,
0.3586

■ 38.7663, 0.2456,
0.3457

■ 37.0540, 0.2330,
0.3587

■ 39.6721, 0.2533,
0.3426

■ 40.8091, 0.2627,
0.3395

■ 42.1925, 0.2736,
0.3366

■ 43.8363, 0.2858,
0.3338

■ 45.7532, 0.2990,
0.3313

■ 47.9555, 0.3128,
0.3290

■ 50.4543, 0.3271,
0.3269

Harmonies

Analogous

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



37.5766, 0.2834, 0.4095



37.5766, 0.2358, 0.3522



37.5766, 0.2097, 0.2934

Triad

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



37.5766, 0.2358, 0.3522



37.5766, 0.2753, 0.2408



37.5766, 0.4278, 0.3925

Complementary

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



37.5766, 0.2358, 0.3522



11.7504, 0.5673, 0.3170

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.



37.5766, 0.4279, 0.3471



37.5766, 0.2358, 0.3522



37.5766, 0.3347, 0.2643

Square

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



37.5766, 0.2358, 0.3522



37.5766, 0.2308, 0.2359



37.5766, 0.3927, 0.3019



37.5766, 0.3950, 0.4279

Rectangle

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



37.5766, 0.2358, 0.3522



37.5766, 0.2060, 0.2638



37.5766, 0.3927, 0.3019



37.5766, 0.4319, 0.3778

Sweetspot

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



37.5780, 0.2358, 0.3522



78.0629, 0.2802, 0.3351



35.1377, 0.3067, 0.5709



16.6061, 0.2760, 0.3360



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.5780, 0.2358, 0.3522



67.2562, 0.2332, 0.3579



18.5683, 0.2011, 0.2227



10.1955, 0.2998, 0.3312



25.5414, 0.2329, 0.3583



0.9047, 0.2306, 0.3500

Inverse Universe

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



11.7504, 0.5673, 0.3170



18.7826, 0.6237, 0.3237



18.6498, 0.5165, 0.3970



9.0257, 0.3273, 0.3269



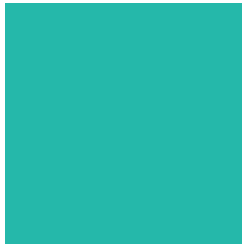
7.0571, 0.6274, 0.3230



0.2534, 0.5837, 0.2989

Previews

White Background



This preview shows how the Yxy color 37.5766, 0.2358, 0.3522 looks on a white background.

Color Contrast Check

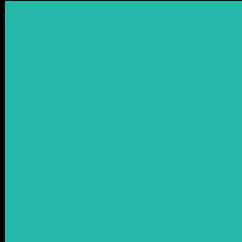
Large Text (above 18pt) WCAG AA × Fail

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 37.5766, 0.2358, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

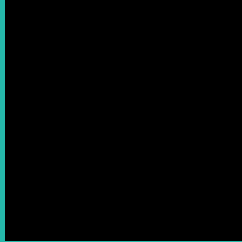
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

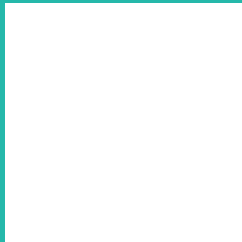
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5766, 0.2358, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 37.5766, 0.2358, 0.3522.

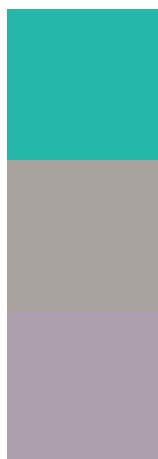


This preview shows how white text looks on a background with the Yxy color 37.5766, 0.2358, 0.3522.

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

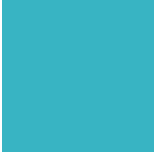
37.5766, 0.2358, 0.3522

Protanopia

36.9878, 0.3219, 0.3362

Deuteranopia

36.8901, 0.3128, 0.3070



Tritanopia

37.4234, 0.2267, 0.3052

Trichromacy



Original Color

37.5766, 0.2358, 0.3522



Protanomaly

35.7275, 0.2769, 0.3431



Deuteranomaly

35.3075, 0.2716, 0.3211



Tritanomaly

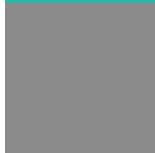
37.2459, 0.2295, 0.3207

Monochromacy



Original Color

37.5766, 0.2358, 0.3522



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.4114, 0.2685, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5766, 0.2358, 0.3522 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(37, 184, 170)` looks like.

```
.text, #text, p{  
  color:rgb(37, 184, 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(37, 184, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 184, 170) }
```

Border

The CSS property to change the border of an element to Yxy 37.5766, 0.2358, 0.3522 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(37, 184, 170) }
```

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

```
.border{ border-color:rgb(37, 184, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 184, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 184, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 184, 170);  
box-shadow:4px 4px 4px 4px rgb(37, 184,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5766, 0.2358, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 184, 170) }
```

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

```
.background{ background-color: rgb(37, 184,  
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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