

Converting Colors

$Y_{xy}(35.1650, 0.2354, 0.3639)$

Have a look what the booklet for
Yxy(35.1650, 0.2354, 0.3639)
contains.

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Color

Yxy(35.2587, 0.2354, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	0CB4A0
RGB	12, 180, 160
RGB Percent	5%, 71%, 63%
CMY	0.9521, 0.2941, 0.3725
CMYK	0.93, 0.00, 0.11, 0.29
HSL	173°, 87%, 38%
HSV	173°, 93%, 71%
XYZ	22.8207, 35.2587, 38.8650
YIQ	127.4880, -93.7080, -41.8360

Conversions

Conversions Part 2

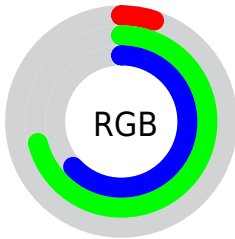
Format	Color
RYB	12, 101, 180
Decimal	832672
CIELab	65.95, -42.46, -0.58
CIELCh	66, 42.469, 180.782
Yxy	35.2587, 0.2354, 0.3637
Android (android.graphics.Color)	4279022752 (0xFF0CB4A0)
YUV	127.4880, 16.0284, -101.2830
Hunter-Lab	59.3790, -35.3117, 2.7586

Details

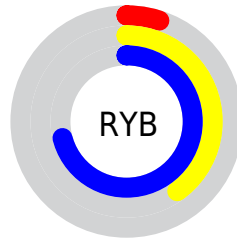
The Yxy color **35.2587, 0.2354, 0.3637** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.0767, 0.6080, 0.3188**, and the grayscale version is **21.3916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1273, 0.2500, 0.3572**, and **16.0258, 0.2362, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **35.1297, 0.2351, 0.3665**, and if you desaturate by 10%, it is **35.5353, 0.2368, 0.3596**.

Distribution



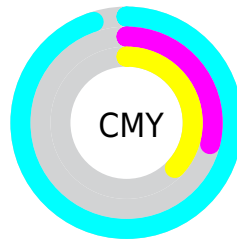
- Red (5%)
- Green (71%)
- Blue (63%)



- Red (5%)
- Yellow (40%)
- Blue (71%)



- Cyan (93%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)



- Cyan (95%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2587, 0.2354, 0.3637 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 35.2587, 0.2354, 0.3637 by changing the saturation by 10% instead.


 35.2587, 0.2354,
0.3637


 35.2587, 0.2354,
0.3637


325.7087, 0.2754,
0.3458


 23.8622, 0.2250,
0.3683


 67.8863, 0.2502,
0.3571

 15.2314, 0.2116,
0.3743


 89.8863, 0.2557,
0.3547

 8.9820, 0.1934,
0.3823

 116.1895, 0.2603,
0.3526

 4.7294, 0.1676,
0.3935

 147.1804, 0.2642,
0.3508

 2.0894, 0.1263,
0.4114

 183.2434, 0.2676,
0.3493

 0.6587, 0.0000,
0.4650

224.7629, 0.2705,

 0.0000, 0.0000,

0.3480

0.0000

272.1232, 0.2731,
0.3469

■ 35.2587, 0.2354,
0.3637

■ 35.2587, 0.2354,
0.3637

■ 35.1297, 0.2351,
0.3665

■ 35.5353, 0.2368,
0.3596

■ 35.9667, 0.2400,
0.3555

■ 36.5771, 0.2450,
0.3514

■ 37.3858, 0.2520,
0.3474

■ 38.4094, 0.2607,
0.3435

■ 39.6628, 0.2709,
0.3397

■ 41.1596, 0.2824,
0.3362

■ 42.9123, 0.2950,
0.3329

■ 44.9325, 0.3083,
0.3299

Harmonies

Analogous

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



35.2587, 0.2890, 0.4241



35.2587, 0.2354, 0.3637



35.2587, 0.2041, 0.2978

Triad

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



35.2587, 0.2354, 0.3637



35.2587, 0.2640, 0.2322



35.2587, 0.4397, 0.3899

Complementary

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



35.2587, 0.2354, 0.3637



10.0767, 0.6080, 0.3188

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.



35.2587, 0.4347, 0.3406



35.2587, 0.2354, 0.3637



35.2587, 0.3267, 0.2548

Square

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



35.2587, 0.2354, 0.3637



35.2587, 0.2196, 0.2299



35.2587, 0.3916, 0.2931



35.2587, 0.4080, 0.4313

Rectangle

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



35.2587, 0.2354, 0.3637



35.2587, 0.1978, 0.2638



35.2587, 0.3916, 0.2931



35.2587, 0.4426, 0.3737

Sweetspot

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



35.2600, 0.2354, 0.3637



73.1468, 0.2762, 0.3380



33.0191, 0.3052, 0.5905



15.5699, 0.2714, 0.3395



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.



35.2600, 0.2354, 0.3637



63.6759, 0.2353, 0.3671



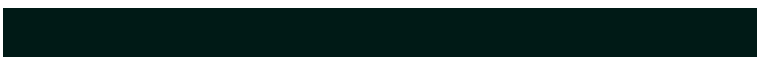
16.4449, 0.1940, 0.2137



9.6138, 0.3001, 0.3317



24.5254, 0.2350, 0.3660



0.7766, 0.2318, 0.3546

Inverse Universe

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



10.0767, 0.6080, 0.3188



17.6777, 0.6276, 0.3231



14.5927, 0.5616, 0.3844



8.5212, 0.3269, 0.3263



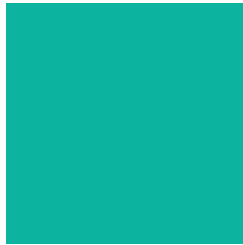
6.8167, 0.6230, 0.3206



0.2197, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 35.2587, 0.2354, 0.3637 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 35.2587, 0.2354, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

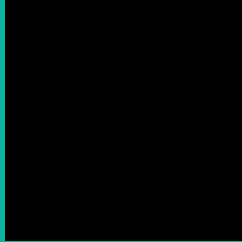
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2587, 0.2354, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 35.2587, 0.2354, 0.3637.

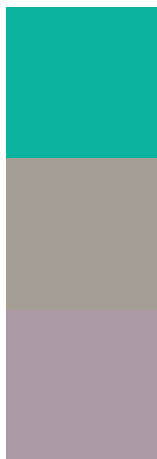


This preview shows how white text looks on a background with the Yxy color 35.2587, 0.2354, 0.3637.

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

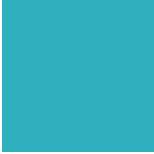
35.2587, 0.2354, 0.3637

Protanopia

34.4844, 0.3278, 0.3438

Deuteranopia

34.5223, 0.3185, 0.3120



Tritanopia

35.3968, 0.2252, 0.3062

Trichromacy



Original Color

35.2587, 0.2354, 0.3637



Protanomaly

32.7906, 0.2751, 0.3523



Deuteranomaly

32.3854, 0.2689, 0.3272



Tritanomaly

35.0563, 0.2279, 0.3254

Monochromacy



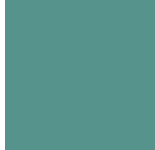
Original Color

35.2587, 0.2354, 0.3637



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.7393, 0.2628, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2587, 0.2354, 0.3637 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(12, 180, 160)` looks like.

```
.text, #text, p{  
  color:rgb(12, 180, 160)  
}
```

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(12, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 180, 160) }
```

Border

The CSS property to change the border of an element to Yxy 35.2587, 0.2354, 0.3637 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(12, 180, 160) }
```

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

```
.border{ border-color:rgb(12, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(12, 180,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2587, 0.2354, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 180, 160) }
```

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

```
.background{ background-color: rgb(12, 180,  
160) }
```

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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