

Converting Colors

$Y_{xy}(34.8637, 0.2326, 0.3524)$

Have a look what the booklet for
Yxy(34.8637, 0.2326, 0.3524)
contains.

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Color

Yxy(35.0670, 0.2328, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	10B3A5
RGB	16, 179, 165
RGB Percent	6%, 70%, 65%
CMY	0.9368, 0.2980, 0.3529
CMYK	0.91, 0.00, 0.08, 0.30
HSL	175°, 83%, 38%
HSV	175°, 91%, 70%
XYZ	23.1263, 35.0670, 41.1466
YIQ	128.6670, -92.6540, -38.9100

Conversions

Conversions Part 2

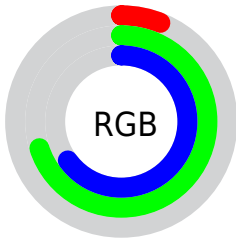
Format	Color
RYB	16, 101, 179
Decimal	1094565
CIELab	65.80, -40.44, -3.56
CIELCh	66, 40.599, 185.030
Yxy	35.0670, 0.2328, 0.3530
Android (android.graphics.Color)	4279284645 (0xFF10B3A5)
YUV	128.6670, 17.9122, -98.8090
Hunter-Lab	59.2174, -33.9203, 0.2551

Details

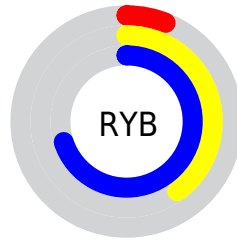
The Yxy color **35.0670, 0.2328, 0.3530** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.0518, 0.6086, 0.3218**, and the grayscale version is **21.8027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3507, 0.2480, 0.3480**, and **15.8595, 0.2328, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **34.9071, 0.2321, 0.3556**, and if you desaturate by 10%, it is **35.3538, 0.2348, 0.3501**.

Distribution



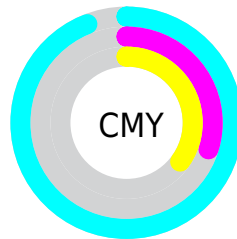
- Red (6%)
- Green (70%)
- Blue (65%)



- Red (6%)
- Yellow (40%)
- Blue (70%)



- Cyan (91%)
- Magenta (0%)
- Yellow (8%)
- Black (30%)



- Cyan (94%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0670, 0.2328, 0.3530 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 35.0670, 0.2328, 0.3530 by changing the saturation by 10% instead.


 35.0670, 0.2328,
0.3530


 35.0670, 0.2328,
0.3530


324.8640, 0.2739,
0.3411

 23.7145, 0.2222,
0.3559


 67.5895, 0.2480,
0.3487


 15.1220, 0.2085,
0.3595


 89.5284, 0.2536,
0.3471


 8.9050, 0.1900,
0.3641


 115.7648, 0.2584,
0.3457

 4.6793, 0.1641,
0.3701

 146.6831, 0.2624,
0.3445

 2.0603, 0.1240,
0.3784

 182.6678, 0.2659,
0.3435

 0.6422, 0.0000,
0.4038

224.1033, 0.2689,

 0.0000, 0.0000,

0.3426

0.0000

271.3738, 0.2716,
0.3418

■ 35.0670, 0.2328,
0.3530

■ 35.0670, 0.2328,
0.3530

■ 34.9071, 0.2321,
0.3556

■ 35.3538, 0.2348,
0.3501

■ 35.7982, 0.2387,
0.3472

■ 36.4232, 0.2444,
0.3443

■ 37.2471, 0.2520,
0.3415

■ 38.2859, 0.2613,
0.3387

■ 39.5540, 0.2721,
0.3361

■ 41.0645, 0.2842,
0.3336

■ 42.8295, 0.2974,
0.3313

■ 44.8604, 0.3113,
0.3292

Harmonies

Analogous

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



35.0670, 0.2820, 0.4131



35.0670, 0.2328, 0.3530



35.0670, 0.2060, 0.2916

Triad

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



35.0670, 0.2328, 0.3530



35.0670, 0.2738, 0.2377



35.0670, 0.4322, 0.3944

Complementary

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



35.0670, 0.2328, 0.3530



10.0518, 0.6086, 0.3218

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.



35.0670, 0.4326, 0.3474



35.0670, 0.2328, 0.3530



35.0670, 0.3355, 0.2620

Square

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



35.0670, 0.2328, 0.3530



35.0670, 0.2278, 0.2326



35.0670, 0.3959, 0.3008



35.0670, 0.3979, 0.4316

Rectangle

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



35.0670, 0.2328, 0.3530



35.0670, 0.2022, 0.2611



35.0670, 0.3959, 0.3008



35.0670, 0.4366, 0.3792

Sweetspot

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



35.0683, 0.2328, 0.3530



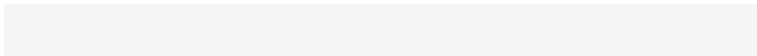
71.7479, 0.2763, 0.3352



32.5918, 0.3041, 0.5892



15.7044, 0.2723, 0.3360



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.



35.0683, 0.2328, 0.3530



62.5002, 0.2322, 0.3560



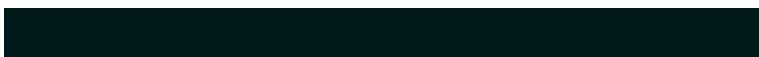
15.3650, 0.1924, 0.2060



9.6187, 0.2997, 0.3309



24.6715, 0.2320, 0.3552



0.7799, 0.2298, 0.3472

Inverse Universe

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



10.0518, 0.6086, 0.3218



17.2145, 0.6323, 0.3257



15.5457, 0.5474, 0.3931



8.5167, 0.3274, 0.3271



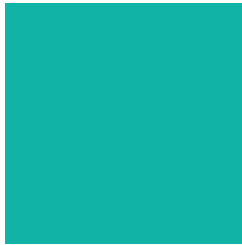
6.8018, 0.6286, 0.3237



0.2179, 0.5860, 0.3002

Previews

White Background



This preview shows how the Yxy color 35.0670, 0.2328, 0.3530 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 35.0670, 0.2328, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

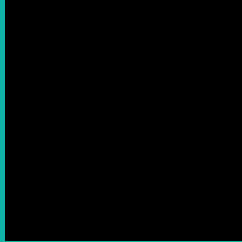
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

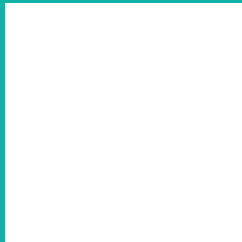
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0670, 0.2328, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 35.0670, 0.2328, 0.3530.

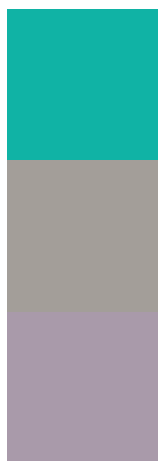


This preview shows how white text looks on a background with the Yxy color 35.0670, 0.2328, 0.3530.

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

35.0670, 0.2328, 0.3530

Protanopia

34.5402, 0.3222, 0.3364

Deuteranopia

34.4485, 0.3128, 0.3064



Tritanopia

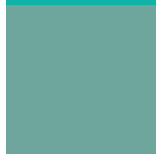
34.9355, 0.2240, 0.3045

Trichromacy



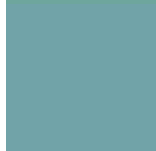
Original Color

35.0670, 0.2328, 0.3530



Protanomaly

33.0218, 0.2722, 0.3437



Deuteranomaly

32.5322, 0.2660, 0.3208



Tritanomaly

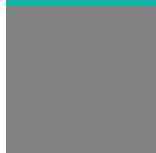
34.7269, 0.2263, 0.3204

Monochromacy



Original Color

35.0670, 0.2328, 0.3530



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.8951, 0.2627, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0670, 0.2328, 0.3530 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(16, 179, 165)` looks like.

```
.text, #text, p{  
    color:rgb(16, 179, 165)  
}
```

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(16, 179, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 179, 165) }
```

Border

The CSS property to change the border of an element to Yxy 35.0670, 0.2328, 0.3530 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(16, 179, 165) }
```

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

```
.border{ border-color:rgb(16, 179, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 179, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 179, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 179, 165);  
box-shadow:4px 4px 4px 4px rgb(16, 179,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0670, 0.2328, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 179, 165) }
```

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

```
.background{ background-color: rgb(16, 179,  
165) }
```

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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