

Converting Colors

$Y_{xy}(35.8349, 0.2328, 0.3363)$

Have a look what the booklet for
Yxy(35.8349, 0.2328, 0.3363)
contains.

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Color

Yxy(35.8489, 0.2326, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	2BB3AF
RGB	43, 179, 175
RGB Percent	17%, 70%, 69%
CMY	0.8306, 0.2981, 0.3137
CMYK	0.76, 0.00, 0.02, 0.30
HSL	178°, 61%, 44%
HSV	178°, 76%, 70%
XYZ	24.8612, 35.8489, 46.1739
YIQ	137.8800, -79.7720, -30.0760

Conversions

Conversions Part 2

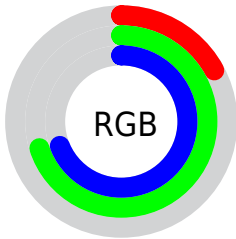
Format	Color
RYB	43, 112, 179
Decimal	2864047
CIELab	66.40, -35.43, -8.18
CIElCh	66, 36.359, 193.007
Yxy	35.8489, 0.2326, 0.3354
Android (android.graphics.Color)	4281054127 (0xFF2BB3AF)
YUV	137.8800, 18.3002, -83.2098
Hunter-Lab	59.8740, -30.6616, -3.8118

Details

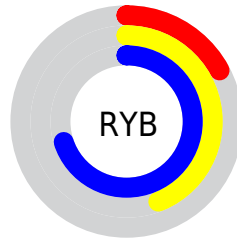
The Yxy color **35.8489, 0.2326, 0.3354** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.5315, 0.5645, 0.3259**, and the grayscale version is **25.3415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5746, 0.2476, 0.3350**, and **16.3518, 0.2266, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **35.5223, 0.2293, 0.3363**, and if you desaturate by 10%, it is **36.3482, 0.2378, 0.3345**.

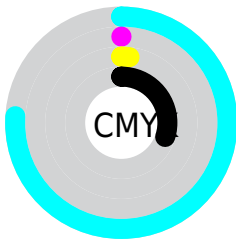
Distribution



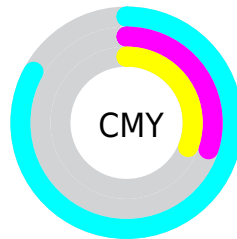
- Red (17%)
- Green (70%)
- Blue (69%)



- Red (17%)
- Yellow (44%)
- Blue (70%)



- Cyan (76%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (83%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8489, 0.2326, 0.3354 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 35.8489, 0.2326, 0.3354 by changing the saturation by 10% instead.


 35.8489, 0.2326,
0.3354


 35.8489, 0.2326,
0.3354


328.2996, 0.2734,
0.3331

 24.3175, 0.2222,
0.3356


 68.7988, 0.2476,
0.3348

 15.5693, 0.2089,
0.3357


 90.9861, 0.2532,
0.3345


 9.2199, 0.1911,
0.3353


 117.4941, 0.2579,
0.3342

 4.8849, 0.1663,
0.3339

 148.7073, 0.2619,
0.3340

 2.1799, 0.1302,
0.3294

 185.0101, 0.2654,
0.3337

 0.7090, 0.0000,
0.3368

226.7868, 0.2684,

 0.0000, 0.0000,

0.3335

0.0000

274.4219, 0.2711,
0.3333

■ 35.8489, 0.2326,
0.3354

■ 35.8489, 0.2326,
0.3354

■ 35.5223, 0.2293,
0.3363

■ 36.3482, 0.2378,
0.3345

■ 35.3391, 0.2276,
0.3373

■ 37.0358, 0.2448,
0.3335

■ 35.2829, 0.2271,
0.3377

■ 37.9302, 0.2537,
0.3326

■ 39.0464, 0.2643,
0.3317

■ 40.3980, 0.2764,
0.3309

■ 41.9979, 0.2897,
0.3301

■ 43.8575, 0.3040,
0.3294

■ 45.9879, 0.3190,
0.3287

■ 48.3995, 0.3343,
0.3282

Harmonies

Analogous

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



35.8489, 0.2726, 0.3906



35.8489, 0.2326, 0.3354



35.8489, 0.2140, 0.2843

Triad

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



35.8489, 0.2326, 0.3354



35.8489, 0.2920, 0.2509



35.8489, 0.4141, 0.3988

Complementary

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



35.8489, 0.2326, 0.3354



11.5315, 0.5645, 0.3259

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.



35.8489, 0.4226, 0.3581



35.8489, 0.2326, 0.3354



35.8489, 0.3485, 0.2770

Square

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



35.8489, 0.2326, 0.3354



35.8489, 0.2458, 0.2415



35.8489, 0.3981, 0.3149



35.8489, 0.3776, 0.4261

Rectangle

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



35.8489, 0.2326, 0.3354



35.8489, 0.2146, 0.2604



35.8489, 0.3981, 0.3149



35.8489, 0.4205, 0.3861

Sweetspot

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



35.8503, 0.2326, 0.3354



73.0274, 0.2796, 0.3307



33.0342, 0.3034, 0.5643



15.9674, 0.2750, 0.3310



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.



35.8503, 0.2326, 0.3354



63.3833, 0.2280, 0.3370



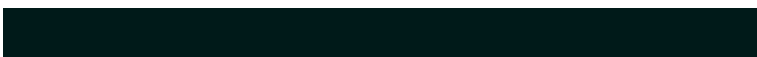
16.1759, 0.2006, 0.2115



9.6272, 0.2990, 0.3296



24.9371, 0.2271, 0.3375



0.7860, 0.2264, 0.3349

Inverse Universe

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



11.5315, 0.5645, 0.3259



17.7757, 0.6225, 0.3278



20.1842, 0.4912, 0.4090



8.5092, 0.3283, 0.3284



6.7821, 0.6362, 0.3278



0.2147, 0.6202, 0.3190

Previews

White Background



This preview shows how the Yxy color 35.8489, 0.2326, 0.3354 looks on a white background.

Color Contrast Check

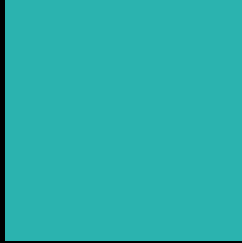
Large Text (above 18pt) WCAG AA × Fail

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 35.8489, 0.2326, 0.3354 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

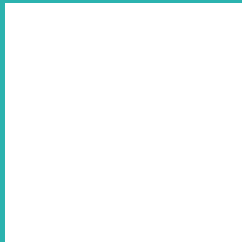
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8489, 0.2326, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 35.8489, 0.2326, 0.3354.

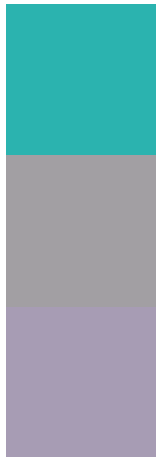


This preview shows how white text looks on a background with the Yxy color 35.8489, 0.2326, 0.3354.

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

35.8489, 0.2326, 0.3354

Protanopia

35.1220, 0.3120, 0.3232

Deuteranopia

35.2877, 0.3019, 0.2954



Tritanopia

36.0181, 0.2271, 0.3064

Trichromacy



Original Color

35.8489, 0.2326, 0.3354

Protanomaly

33.9844, 0.2718, 0.3273

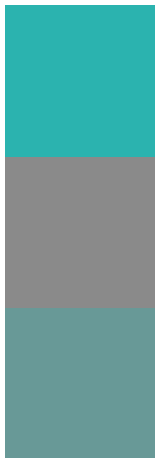
Deuteranomaly

33.9028, 0.2658, 0.3072

Tritanomaly

36.0474, 0.2293, 0.3174

Monochromacy



Original Color

35.8489, 0.2326, 0.3354

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.9599, 0.2697, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8489, 0.2326, 0.3354 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(43, 179, 175)` looks like.

```
.text, #text, p{  
    color:rgb(43, 179, 175)  
}
```

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(43, 179, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 179, 175) }
```

Border

The CSS property to change the border of an element to Yxy 35.8489, 0.2326, 0.3354 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(43, 179, 175) }
```

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

```
.border{ border-color:rgb(43, 179, 175) }
```

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

Here you see how a box with a 4 pixel rgb(43, 179, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 179, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 179, 175);  
box-shadow:4px 4px 4px 4px rgb(43, 179,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8489, 0.2326, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 179, 175) }
```

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

```
.background{ background-color: rgb(43, 179,  
175) }
```

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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