

Converting Colors

$Y_{xy}(35.3404, 0.2359, 0.3525)$

Have a look what the booklet for
Yxy(35.3404, 0.2359, 0.3525)
contains.

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Color

Yxy(35.3319, 0.2361, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	24B3A5
RGB	36, 179, 165
RGB Percent	14%, 70%, 65%
CMY	0.8579, 0.2981, 0.3529
CMYK	0.80, 0.00, 0.08, 0.30
HSL	174°, 66%, 42%
HSV	174°, 80%, 70%
XYZ	23.6447, 35.3319, 41.1705
YIQ	134.6470, -80.7340, -34.6700

Conversions

Conversions Part 2

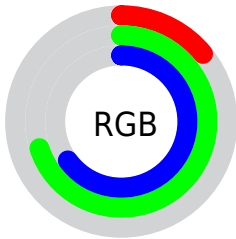
Format	Color
R _Y B	36, 111, 179
Decimal	2405285
CIE Lab	66.01, -39.01, -3.23
CIE LCh	66, 39.147, 184.738
Yxy	35.3319, 0.2361, 0.3528
Android (android.graphics.Color)	4280595365 (0xFF24B3A5)
YUV	134.6470, 14.9640, -86.5134
Hunter-Lab	59.4406, -33.0161, 0.5423

Details

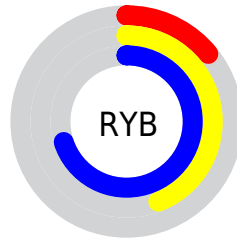
The Yxy color **35.3319, 0.2361, 0.3528** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.0905, 0.5653, 0.3165**, and the grayscale version is **24.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7721, 0.2506, 0.3479**, and **15.8595, 0.2328, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **35.0224, 0.2339, 0.3561**, and if you desaturate by 10%, it is **35.8062, 0.2401, 0.3495**.

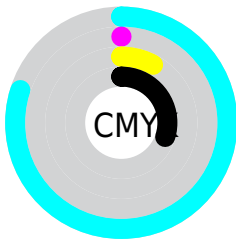
Distribution



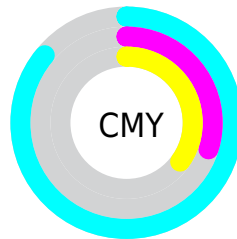
- Red (14%)
- Green (70%)
- Blue (65%)



- Red (14%)
- Yellow (44%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3319, 0.2361, 0.3528 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 35.3319, 0.2361, 0.3528 by changing the saturation by 10% instead.


 35.3319, 0.2361,
0.3528


 35.3319, 0.2361,
0.3528


326.0309, 0.2755,
0.3409


 23.9187, 0.2259,
0.3557


 67.9996, 0.2507,
0.3485

 15.2733, 0.2128,
0.3594


 90.0229, 0.2561,
0.3469

 9.0114, 0.1950,
0.3641


 116.3516, 0.2606,
0.3455

 4.7486, 0.1700,
0.3703

 147.3702, 0.2645,
0.3444

 2.1005, 0.1320,
0.3788

 183.4630, 0.2678,
0.3433

 0.6649, 0.0000,
0.4117

225.0145, 0.2707,

 0.0000, 0.0000,

0.3424

0.0000

272.4090, 0.2733,
0.3416

■ 35.3319, 0.2361,
0.3528

■ 35.3319, 0.2361,
0.3528

■ 35.0224, 0.2339,
0.3561

■ 35.8062, 0.2401,
0.3495

■ 34.8308, 0.2332,
0.3594

■ 36.4623, 0.2460,
0.3461

■ 34.8266, 0.2332,
0.3595

■ 37.3196, 0.2537,
0.3429

■ 38.3937, 0.2631,
0.3398

■ 39.6991, 0.2740,
0.3368

■ 41.2486, 0.2861,
0.3339

■ 43.0543, 0.2993,
0.3313

■ 45.1274, 0.3131,
0.3289

■ 47.4785, 0.3273,
0.3268

Harmonies

Analogous

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



35.3319, 0.2839, 0.4100



35.3319, 0.2361, 0.3528



35.3319, 0.2097, 0.2938

Triad

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



35.3319, 0.2361, 0.3528



35.3319, 0.2748, 0.2406



35.3319, 0.4281, 0.3921

Complementary

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



35.3319, 0.2361, 0.3528



11.0905, 0.5653, 0.3165

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.



35.3319, 0.4279, 0.3466



35.3319, 0.2361, 0.3528



35.3319, 0.3341, 0.2640

Square

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



35.3319, 0.2361, 0.3528



35.3319, 0.2305, 0.2359



35.3319, 0.3923, 0.3015



35.3319, 0.3955, 0.4277

Rectangle

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



35.3319, 0.2361, 0.3528



35.3319, 0.2059, 0.2641



35.3319, 0.3923, 0.3015



35.3319, 0.4321, 0.3774

Sweetspot

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



35.3332, 0.2361, 0.3528



72.5368, 0.2804, 0.3352



33.0572, 0.3067, 0.5703



15.8586, 0.2761, 0.3362



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.



35.3332, 0.2361, 0.3528



62.4652, 0.2334, 0.3587



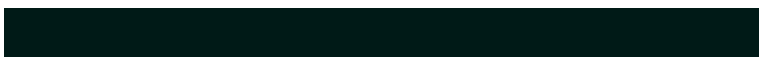
17.5246, 0.2014, 0.2231



9.6169, 0.2999, 0.3312



24.6176, 0.2331, 0.3591



0.7787, 0.2305, 0.3499

Inverse Universe

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



11.0905, 0.5653, 0.3165



17.4652, 0.6229, 0.3234



17.5988, 0.5155, 0.3970



8.5184, 0.3272, 0.3268



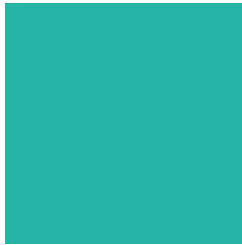
6.8068, 0.6267, 0.3226



0.2186, 0.5794, 0.2965

Previews

White Background



This preview shows how the Yxy color 35.3319, 0.2361, 0.3528 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 35.3319, 0.2361, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

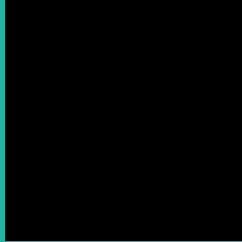
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

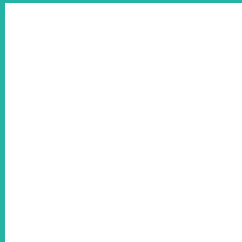
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3319, 0.2361, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 35.3319, 0.2361, 0.3528.

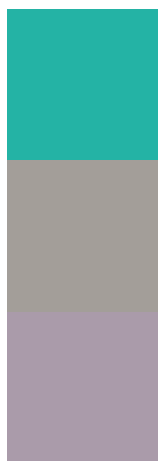


This preview shows how white text looks on a background with the Yxy color 35.3319, 0.2361, 0.3528.

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

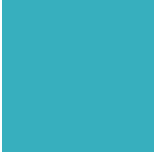
35.3319, 0.2361, 0.3528

Protanopia

34.5402, 0.3222, 0.3364

Deuteranopia

34.8910, 0.3137, 0.3079



Tritanopia

35.1899, 0.2268, 0.3046

Trichromacy



Original Color

35.3319, 0.2361, 0.3528



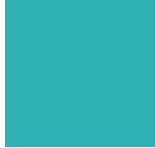
Protanomaly

33.4887, 0.2776, 0.3435



Deuteranomaly

33.4430, 0.2723, 0.3225



Tritanomaly

35.0152, 0.2296, 0.3205

Monochromacy



Original Color

35.3319, 0.2361, 0.3528



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.8612, 0.2691, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3319, 0.2361, 0.3528 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(36, 179, 165)` looks like.

```
.text, #text, p{  
  color:rgb(36, 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(36, 179, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 179, 165) }
```

Border

The CSS property to change the border of an element to Yxy 35.3319, 0.2361, 0.3528 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(36, 179, 165) }
```

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

```
.border{ border-color:rgb(36, 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(36, 179, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 179, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 179, 165);  
box-shadow:4px 4px 4px 4px rgb(36, 179,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3319, 0.2361, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 179, 165) }
```

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

```
.background{ background-color: rgb(36, 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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