

Converting Colors

$Y_{xy}(35.9592, 0.2340, 0.3219)$

Have a look what the booklet for
Yxy(35.9592, 0.2340, 0.3219)
contains.

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Color

Yxy(35.8138, 0.2336, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	3DB1B6
RGB	61, 177, 182
RGB Percent	24%, 69%, 71%
CMY	0.7604, 0.3059, 0.2862
CMYK	0.66, 0.03, 0.00, 0.29
HSL	182°, 50%, 48%
HSV	182°, 66%, 71%
XYZ	26.0951, 35.8138, 49.7997
YIQ	142.8860, -70.7410, -23.0370

Conversions

Conversions Part 2

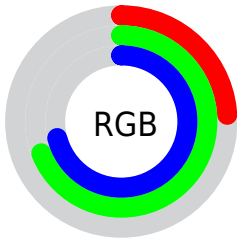
Format	Color
RYB	61, 120, 182
Decimal	4043190
CIELab	66.38, -30.10, -12.06
CIELCh	66, 32.432, 201.838
Yxy	35.8138, 0.2336, 0.3206
Android (android.graphics.Color)	4282233270 (0xFF3DB1B6)
YUV	142.8860, 19.2832, -71.8140
Hunter-Lab	59.8446, -26.8935, -7.4469

Details

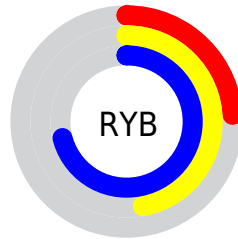
The Yxy color **35.8138, 0.2336, 0.3206** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1944, 0.5224, 0.3356**, and the grayscale version is **27.3741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7360, 0.2483, 0.3227**, and **16.0003, 0.2215, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **35.0337, 0.2279, 0.3192**, and if you desaturate by 10%, it is **36.7943, 0.2412, 0.3220**.

Distribution



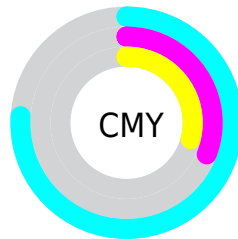
- Red (24%)
- Green (69%)
- Blue (71%)



- Red (24%)
- Yellow (47%)
- Blue (71%)



- Cyan (66%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)





- Cyan (76%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8138, 0.2336, 0.3206 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 35.8138, 0.2336, 0.3206 by changing the saturation by 10% instead.

 35.8138, 0.2336,
0.3206


 35.8138, 0.2336,
0.3206


328.1460, 0.2738,
0.3261

 24.2904, 0.2235,
0.3188


 68.7446, 0.2483,
0.3229


 15.5492, 0.2104,
0.3161


 90.9208, 0.2538,
0.3237


 9.2057, 0.1931,
0.3120


 117.4167, 0.2584,
0.3243

 4.8756, 0.1690,
0.3053

 148.6167, 0.2624,
0.3248

 2.1745, 0.1342,
0.2927

 184.9053, 0.2658,
0.3252

 0.7060, 0.0000,
0.2854

226.6667, 0.2688,

 0.0000, 0.0000,

0.3256

0.0000

274.2855, 0.2715,
0.3259

■ 35.8138, 0.2336,
0.3206

■ 35.8138, 0.2336,
0.3206

■ 35.0337, 0.2279,
0.3192

■ 36.7943, 0.2412,
0.3220

■ 34.4292, 0.2240,
0.3178

■ 37.9890, 0.2507,
0.3234

■ 33.9740, 0.2217,
0.3165

■ 39.4152, 0.2618,
0.3247

■ 33.8276, 0.2211,
0.3160

■ 41.0871, 0.2744,
0.3260

■ 43.0181, 0.2882,
0.3272

■ 45.2203, 0.3029,
0.3283

■ 47.7052, 0.3182,
0.3294

■ 50.4836, 0.3339,
0.3303

■ 53.5657, 0.3497,
0.3312

Harmonies

Analogous

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



35.8138, 0.2648, 0.3702



35.8138, 0.2336, 0.3206



35.8138, 0.2227, 0.2789

Triad

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



35.8138, 0.2336, 0.3206



35.8138, 0.3089, 0.2640



35.8138, 0.3963, 0.4012

Complementary

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



35.8138, 0.2336, 0.3206



14.1944, 0.5224, 0.3356

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.



35.8138, 0.4117, 0.3674



35.8138, 0.2336, 0.3206



35.8138, 0.3592, 0.2915

Square

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



35.8138, 0.2336, 0.3206



35.8138, 0.2634, 0.2507



35.8138, 0.3981, 0.3281



35.8138, 0.3586, 0.4185

Rectangle

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



35.8138, 0.2336, 0.3206



35.8138, 0.2273, 0.2608



35.8138, 0.3981, 0.3281



35.8138, 0.4044, 0.3911

Sweetspot

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



35.8151, 0.2336, 0.3206



76.5550, 0.2827, 0.3267



34.8395, 0.3010, 0.5346



16.6929, 0.2788, 0.3264



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.



35.8151, 0.2336, 0.3206



62.9292, 0.2257, 0.3185



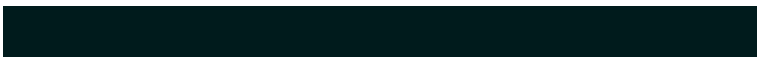
17.2181, 0.2081, 0.2133



10.1450, 0.2985, 0.3280



23.9098, 0.2212, 0.3162



0.8627, 0.2221, 0.3197

Inverse Universe

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



16.4685, 0.3262, 0.1858



25.7705, 0.3289, 0.1689



25.1004, 0.4556, 0.4151



9.1561, 0.3144, 0.3074



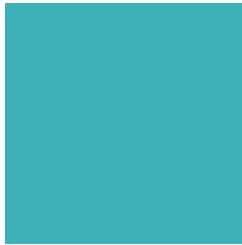
9.1960, 0.3314, 0.1599



0.3262, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 35.8138, 0.2336, 0.3206 looks on a white background.

Color Contrast Check

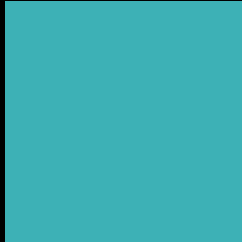
Large Text (above 18pt) WCAG AA × Fail

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 35.8138, 0.2336, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

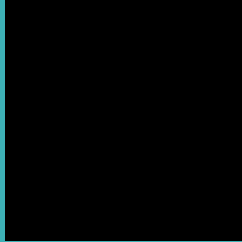
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

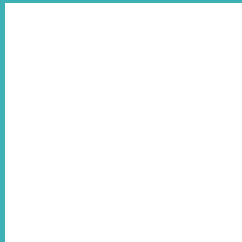
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8138, 0.2336, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 35.8138, 0.2336, 0.3206.

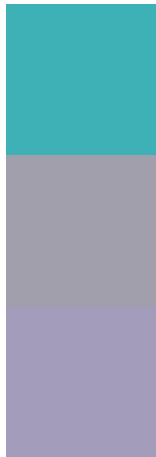


This preview shows how white text looks on a background with the Yxy color 35.8138, 0.2336, 0.3206.

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

35.8138, 0.2336, 0.3206

Protanopia

35.2101, 0.3031, 0.3117

Deuteranopia

35.1513, 0.2923, 0.2857



Tritanopia

35.8922, 0.2305, 0.3065

Trichromacy



Original Color

35.8138, 0.2336, 0.3206

Protanomaly

34.6527, 0.2698, 0.3150

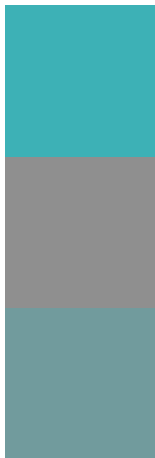
Deuteranomaly

34.4893, 0.2640, 0.2971

Tritanomaly

35.7285, 0.2317, 0.3111

Monochromacy



Original Color

35.8138, 0.2336, 0.3206

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.3877, 0.2727, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8138, 0.2336, 0.3206 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(61, 177, 182)` looks like.

```
.text, #text, p{  
    color:rgb(61, 177, 182)  
}
```

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(61, 177, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 177, 182) }
```

Border

The CSS property to change the border of an element to Yxy 35.8138, 0.2336, 0.3206 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(61, 177, 182) }
```

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

```
.border{ border-color:rgb(61, 177, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 177, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 177, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 177, 182);  
box-shadow:4px 4px 4px 4px rgb(61, 177,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8138, 0.2336, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 177, 182) }
```

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

```
.background{ background-color: rgb(61, 177,  
182) }
```

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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