

Converting Colors

$Yxy(35.1860, 0.2384, 0.3159)$

Have a look what the booklet for
Yxy(35.1860, 0.2384, 0.3159)
contains.

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Color

Yxy(35.1860, 0.2384, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	4CAEB6
RGB	76, 174, 182
RGB Percent	30%, 68%, 71%
CMY	0.7023, 0.3176, 0.2863
CMYK	0.58, 0.04, 0.00, 0.29
HSL	185°, 42%, 51%
HSV	185°, 58%, 71%
XYZ	26.5538, 35.1860, 49.6436
YIQ	145.6100, -60.9760, -18.2880

Conversions

Conversions Part 2

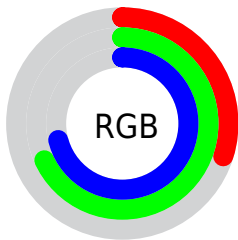
Format	Color
RYB	76, 127, 182
Decimal	5025462
CIELab	65.89, -26.12, -12.74
CIELCh	66, 29.065, 205.992
Yxy	35.1860, 0.2384, 0.3159
Android (android.graphics.Color)	4283215542 (0xFF4CAEB6)
YUV	145.6100, 17.9403, -61.0480
Hunter-Lab	59.3178, -23.9001, -8.0979

Details

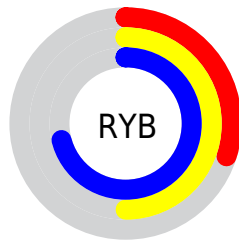
The Yxy color **35.1860, 0.2384, 0.3159** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7884, 0.4813, 0.3402**, and the grayscale version is **28.5121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9176, 0.2524, 0.3192**, and **15.2597, 0.2195, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **34.0191, 0.2307, 0.3134**, and if you desaturate by 10%, it is **36.5717, 0.2479, 0.3184**.

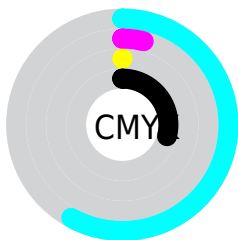
Distribution



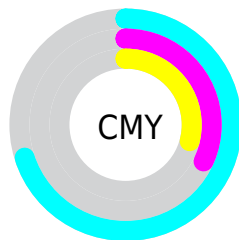
- Red (30%)
- Green (68%)
- Blue (71%)



- Red (30%)
- Yellow (50%)
- Blue (71%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)





- Cyan (70%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1860, 0.2384, 0.3159 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 35.1860, 0.2384, 0.3159 by changing the saturation by 10% instead.


 35.1860, 0.2384,
0.3159

 35.1860, 0.2384,
0.3159


325.3886, 0.2763,
0.3238

 23.8062, 0.2288,
0.3135


 67.7738, 0.2523,
0.3191


 15.1899, 0.2164,
0.3101


 89.7506, 0.2575,
0.3202

 8.9528, 0.1998,
0.3051


 116.0285, 0.2619,
0.3211

 4.7104, 0.1766,
0.2970

 146.9919, 0.2656,
0.3218

 2.0784, 0.1427,
0.2825

 183.0252, 0.2688,
0.3224

 0.6524, 0.0000,
0.2714

224.5129, 0.2716,

 0.0000, 0.0000,

0.3229

0.0000

271.8392, 0.2741,
0.3234

■ 35.1860, 0.2384,
0.3159

■ 35.1860, 0.2384,
0.3159

■ 34.0191, 0.2307,
0.3134

■ 36.5717, 0.2479,
0.3184

■ 33.0486, 0.2249,
0.3108

■ 38.1884, 0.2591,
0.3208

■ 32.2545, 0.2209,
0.3083

■ 40.0520, 0.2717,
0.3232

■ 31.6015, 0.2185,
0.3058

■ 42.1759, 0.2855,
0.3254

■ 31.4947, 0.2182,
0.3054

■ 44.5726, 0.3001,
0.3274

■ 47.2537, 0.3154,
0.3293

■ 50.2300, 0.3309,
0.3310

■ 53.5120, 0.3465,
0.3326

■ 57.1094, 0.3620,
0.3339

Harmonies

Analogous

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



35.1860, 0.2646, 0.3600



35.1860, 0.2384, 0.3159



35.1860, 0.2310, 0.2800

Triad

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



35.1860, 0.2384, 0.3159



35.1860, 0.3158, 0.2726



35.1860, 0.3847, 0.3979

Complementary

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



35.1860, 0.2384, 0.3159



16.7884, 0.4813, 0.3402

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.



35.1860, 0.4016, 0.3691



35.1860, 0.2384, 0.3159



35.1860, 0.3605, 0.2993

Square

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



35.1860, 0.2384, 0.3159



35.1860, 0.2732, 0.2585



35.1860, 0.3928, 0.3336



35.1860, 0.3488, 0.4097

Rectangle

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



35.1860, 0.2384, 0.3159



35.1860, 0.2370, 0.2649



35.1860, 0.3928, 0.3336



35.1860, 0.3929, 0.3896

Sweetspot

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



35.1873, 0.2384, 0.3159



76.8838, 0.2869, 0.3256



35.6101, 0.3003, 0.5029



16.8007, 0.2841, 0.3252



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.



35.1873, 0.2384, 0.3159



61.1369, 0.2288, 0.3126



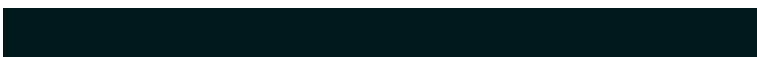
18.7995, 0.2184, 0.2236



10.0919, 0.2985, 0.3272



22.2861, 0.2182, 0.3056



0.8202, 0.2200, 0.3121

Inverse Universe

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



18.1574, 0.3291, 0.2025



27.9732, 0.3331, 0.1835



28.0799, 0.4313, 0.4119



9.1508, 0.3149, 0.3081



9.0321, 0.3405, 0.1649



0.3219, 0.3349, 0.1619

Previews

White Background



This preview shows how the Yxy color 35.1860, 0.2384, 0.3159 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 35.1860, 0.2384, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

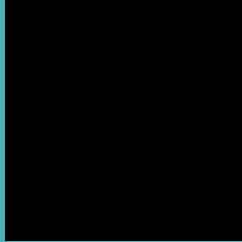
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

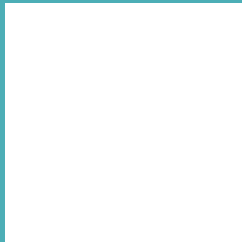
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1860, 0.2384, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 35.1860, 0.2384, 0.3159.



This preview shows how white text looks on a background with the Yxy color 35.1860, 0.2384, 0.3159.

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

35.1860, 0.2384, 0.3159

Protanopia

34.7014, 0.3004, 0.3087

Deuteranopia

34.6692, 0.2922, 0.2855



Tritanopia

35.0947, 0.2363, 0.3065

Trichromacy



Original Color

35.1860, 0.2384, 0.3159

Protanomaly

34.2747, 0.2719, 0.3105

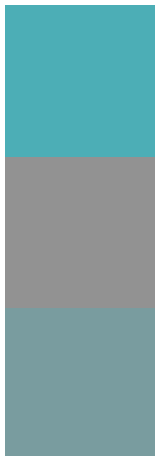
Deuteranomaly

34.1687, 0.2674, 0.2944

Tritanomaly

34.9677, 0.2369, 0.3095

Monochromacy



Original Color

35.1860, 0.2384, 0.3159

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.3451, 0.2779, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1860, 0.2384, 0.3159 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(76, 174, 182)` looks like.

```
.text, #text, p{  
    color:rgb(76, 174, 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(76, 174, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 174, 182) }
```

Border

The CSS property to change the border of an element to Yxy 35.1860, 0.2384, 0.3159 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(76, 174, 182) }
```

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

```
.border{ border-color:rgb(76, 174, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 174, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 174, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 174, 182);  
box-shadow:4px 4px 4px 4px rgb(76, 174,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1860, 0.2384, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 174, 182) }
```

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

```
.background{ background-color: rgb(76, 174,  
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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