

Converting Colors

$Y_{xy}(35.1912, 0.2807, 0.3191)$

Have a look what the booklet for
Yxy(35.1912, 0.2807, 0.3191)
contains.

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Color

Yxy(35.0397, 0.2806, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	87A5AC
RGB	135, 165, 172
RGB Percent	53%, 65%, 67%
CMY	0.4706, 0.3529, 0.3256
CMYK	0.22, 0.04, 0.00, 0.33
HSL	191°, 18%, 60%
HSV	191°, 22%, 67%
XYZ	30.8895, 35.0397, 44.1546
YIQ	156.8280, -20.1270, -4.1830

Conversions

Conversions Part 2

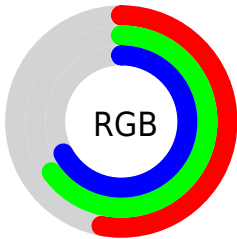
Format	Color
RYB	135, 152, 172
Decimal	8889772
CIELab	65.78, -8.73, -7.04
CIELCh	66, 11.216, 218.861
Yxy	35.0397, 0.2806, 0.3183
Android (android.graphics.Color)	4287079852 (0xFF87A5AC)
YUV	156.8280, 7.4798, -19.1432
Hunter-Lab	59.1943, -10.4430, -2.7900

Details

The Yxy color **35.0397, 0.2806, 0.3183** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8501, 0.3531, 0.3394**, and the grayscale version is **33.6071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5513, 0.2871, 0.3209**, and **15.0511, 0.2699, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **32.5738, 0.2665, 0.3127**, and if you desaturate by 10%, it is **37.7685, 0.2953, 0.3235**.

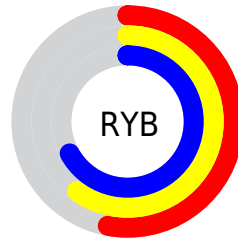
Distribution



Red (53%)

Green (65%)

Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

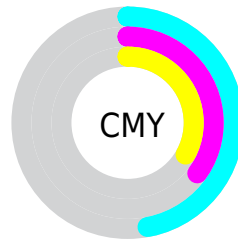


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (47%)


Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0397, 0.2806, 0.3183 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 35.0397, 0.2806, 0.3183 by changing the saturation by 10% instead.

 35.0397, 0.2806,
0.3183

 35.0397, 0.2806,
0.3183


324.7435, 0.2973,
0.3241


 23.6935, 0.2762,
0.3167


 67.5473, 0.2868,
0.3205

 15.1064, 0.2705,
0.3145


 89.4774, 0.2891,
0.3213

 8.8941, 0.2627,
0.3115


 115.7042, 0.2910,
0.3220

 4.6722, 0.2512,
0.3069

146.6122, 0.2926,
0.3225

 2.0562, 0.2332,
0.2990

182.5858, 0.2940,
0.3230

 0.6398, 0.1762,
0.2855

224.0092, 0.2953,

 0.0000, 0.0000,

0.3234

0.0000

271.2670, 0.2963,
0.3238

■ 35.0397, 0.2806,
0.3183

■ 35.0397, 0.2806,
0.3183

■ 32.5738, 0.2665,
0.3127

■ 37.7685, 0.2953,
0.3235

■ 30.3552, 0.2534,
0.3066

■ 40.7665, 0.3104,
0.3283

■ 28.3732, 0.2415,
0.3003

■ 44.0450, 0.3256,
0.3326

■ 26.6146, 0.2311,
0.2937

■ 47.6132, 0.3407,
0.3365

■ 25.0644, 0.2225,
0.2870

■ 51.4802, 0.3554,
0.3400

■ 23.7059, 0.2157,
0.2803

■ 55.6544, 0.3698,
0.3430

■ 22.5190, 0.2108,
0.2735

■ 60.0734, 0.3833,
0.3457

■ 21.6100, 0.2077,
0.2679

■ 61.4707, 0.3822,
0.3490

■ 62.8992, 0.3811,
0.3524

Harmonies

Analogous

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



35.0397, 0.2885, 0.3341



35.0397, 0.2806, 0.3183



35.0397, 0.2810, 0.3060

Triad

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



35.0397, 0.2806, 0.3183



35.0397, 0.3220, 0.3103



35.0397, 0.3359, 0.3586

Complementary

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



35.0397, 0.2806, 0.3183



29.8501, 0.3531, 0.3394

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.



35.0397, 0.3454, 0.3512



35.0397, 0.2806, 0.3183



35.0397, 0.3373, 0.3234

Square

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



35.0397, 0.2806, 0.3183



35.0397, 0.3045, 0.3019



35.0397, 0.3460, 0.3382



35.0397, 0.3203, 0.3580

Rectangle

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



35.0397, 0.2806, 0.3183



35.0397, 0.2859, 0.3013



35.0397, 0.3460, 0.3382



35.0397, 0.3399, 0.3570

Sweetspot

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



35.0411, 0.2806, 0.3183



71.4128, 0.3035, 0.3262



36.5933, 0.3046, 0.3765



15.4460, 0.3025, 0.3259



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.0411, 0.2806, 0.3183



61.3098, 0.2735, 0.3156



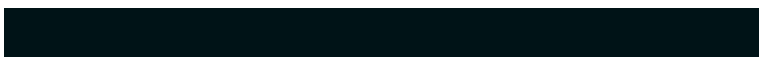
28.9017, 0.2786, 0.2894



8.8116, 0.2986, 0.3246



16.1605, 0.2079, 0.2685



0.5148, 0.2136, 0.2888

Inverse Universe

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



28.8091, 0.3223, 0.2860



48.0288, 0.3249, 0.2759



35.7509, 0.3477, 0.3657



8.1218, 0.3165, 0.3108



7.9345, 0.3742, 0.1835



0.2273, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 35.0397, 0.2806, 0.3183 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 35.0397, 0.2806, 0.3183 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

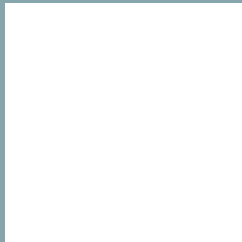
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0397, 0.2806, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 35.0397, 0.2806, 0.3183.



This preview shows how white text looks on a background with the Yxy color 35.0397, 0.2806, 0.3183.

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

35.0397, 0.2806, 0.3183

Protanopia

34.7545, 0.3058, 0.3145

Deuteranopia

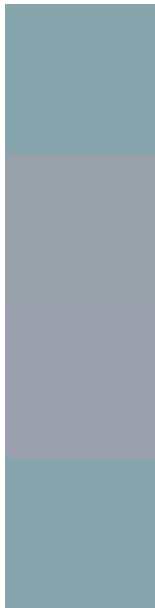
34.8235, 0.3082, 0.3022



Tritanopia

34.9595, 0.2775, 0.3093

Trichromacy



Original Color

35.0397, 0.2806, 0.3183

Protanomaly

34.9336, 0.2966, 0.3171

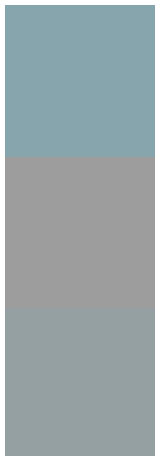
Deuteranomaly

34.8813, 0.2977, 0.3086

Tritanomaly

34.8803, 0.2790, 0.3123

Monochromacy



Original Color

35.0397, 0.2806, 0.3183

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.1398, 0.3006, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0397, 0.2806, 0.3183 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(135, 165, 172)` looks like.

```
.text, #text, p{  
    color:rgb(135, 165, 172)  
}
```

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(135, 165, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 165, 172) }
```

Border

The CSS property to change the border of an element to Yxy 35.0397, 0.2806, 0.3183 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(135, 165, 172) }
```

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

```
.border{ border-color:rgb(135, 165, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 165, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 165, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 165, 172);  
box-shadow:4px 4px 4px 4px rgb(135, 165,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0397, 0.2806, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 165, 172) }
```

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

```
.background{ background-color: rgb(135,  
165, 172) }
```

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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