

Converting Colors

$Yxy(35.6571, 0.2929, 0.3804)$

Have a look what the booklet for
Yxy(35.6571, 0.2929, 0.3804)
contains.

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Color

Yxy(35.8033, 0.2926, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	78AD8D
RGB	120, 173, 141
RGB Percent	47%, 68%, 55%
CMY	0.5295, 0.3215, 0.4469
CMYK	0.31, 0.00, 0.18, 0.32
HSL	144°, 24%, 57%
HSV	144°, 31%, 68%
XYZ	27.4962, 35.8033, 30.6724
YIQ	153.5050, -21.3160, -21.1880

Conversions

Conversions Part 2

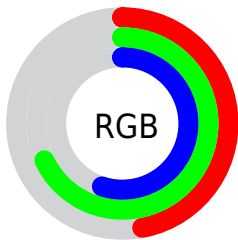
Format	Color
RYB	120, 158, 173
Decimal	7908749
CIELab	66.37, -24.36, 10.91
CIELCh	66, 26.687, 155.872
Yxy	35.8033, 0.2926, 0.3810
Android (android.graphics.Color)	4286098829 (0xFF78AD8D)
YUV	153.5050, -6.1650, -29.3839
Hunter-Lab	59.8359, -22.6872, 11.4925

Details

The Yxy color **35.8033, 0.2926, 0.3810** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5775, 0.3401, 0.2823**, and the grayscale version is **32.1207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9774, 0.2969, 0.3702**, and **15.4535, 0.2850, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **34.3817, 0.2870, 0.4015**, and if you desaturate by 10%, it is **37.4806, 0.2989, 0.3622**.

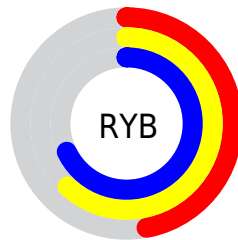
Distribution



Red (47%)

Green (68%)

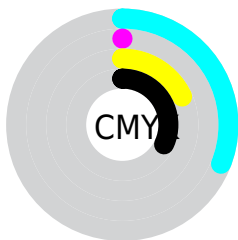
Blue (55%)



Red (47%)

Yellow (62%)

Blue (68%)

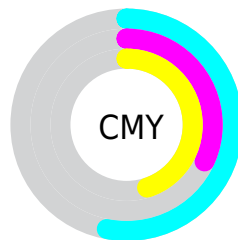


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (32%)



Cyan (53%)


Magenta (32%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8033, 0.2926, 0.3810 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 35.8033, 0.2926, 0.3810 by changing the saturation by 10% instead.


 35.8033, 0.2926,
0.3810


 35.8033, 0.2926,
0.3810


328.1000, 0.3035,
0.3529

 24.2823, 0.2895,
0.3888


 68.7284, 0.2968,
0.3703

 15.5432, 0.2854,
0.3992


 90.9012, 0.2983,
0.3664

 9.2015, 0.2795,
0.4141


 117.3935, 0.2996,
0.3632

 4.8728, 0.2703,
0.4369

148.5896, 0.3006,
0.3605

 2.1728, 0.2544,
0.4758

184.8739, 0.3015,
0.3582

 0.7051, 0.0963,
0.8973

226.6308, 0.3023,

 0.0000, 0.0000,

0.3562

0.0000

274.2447, 0.3030,
0.3545

■ 35.8033, 0.2926,
0.3810

■ 35.8033, 0.2926,
0.3810

■ 34.3817, 0.2870,
0.4015

■ 37.4806, 0.2989,
0.3622

■ 33.1985, 0.2823,
0.4235

■ 39.4211, 0.3055,
0.3451

■ 32.2411, 0.2788,
0.4465


■ 41.6373, 0.3123,
0.3299


■ 31.4941, 0.2769,
0.4698


■ 44.1399, 0.3190,
0.3165


■ 30.9398, 0.2768,
0.4926

■ 46.9386, 0.3256,
0.3046

 30.5575, 0.2785,
0.5142

 50.0429, 0.3320,
0.2942

 30.3153, 0.2813,
0.5327

 53.4620, 0.3381,
0.2852

 56.5575, 0.3411,
0.2767

 57.1426, 0.3324,
0.2669

Harmonies

Analogous

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



35.8033, 0.3330, 0.4010



35.8033, 0.2926, 0.3810



35.8033, 0.2591, 0.3442

Triad

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



35.8033, 0.2926, 0.3810



35.8033, 0.2564, 0.2636



35.8033, 0.3911, 0.3446

Complementary

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



35.8033, 0.2926, 0.3810



24.5775, 0.3401, 0.2823

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.



35.8033, 0.3679, 0.3118



35.8033, 0.2926, 0.3810



35.8033, 0.2886, 0.2668

Square

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



35.8033, 0.2926, 0.3810



35.8033, 0.2394, 0.2765



35.8033, 0.3296, 0.2841



35.8033, 0.3913, 0.3759

Rectangle

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



35.8033, 0.2926, 0.3810



35.8033, 0.2446, 0.3175



35.8033, 0.3296, 0.2841



35.8033, 0.3857, 0.3334

Sweetspot

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



35.8048, 0.2926, 0.3810



71.1575, 0.3065, 0.3428



37.9859, 0.3383, 0.4092



15.3487, 0.3056, 0.3450



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.



35.8048, 0.2926, 0.3810



62.2911, 0.2886, 0.3952



36.6641, 0.2737, 0.3386



8.9901, 0.3064, 0.3430



22.2800, 0.2807, 0.5307



0.6308, 0.2631, 0.4670

Inverse Universe

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



24.5775, 0.3401, 0.2823



38.8517, 0.3485, 0.2714



23.8227, 0.3723, 0.3199



8.0934, 0.3196, 0.3154



7.2772, 0.4503, 0.2254



0.2128, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 35.8033, 0.2926, 0.3810 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 35.8033, 0.2926, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

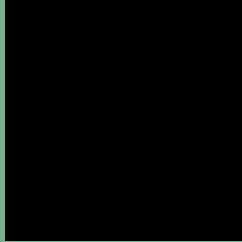
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8033, 0.2926, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 35.8033, 0.2926, 0.3810.



This preview shows how white text looks on a background with the Yxy color 35.8033, 0.2926, 0.3810.

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

35.8033, 0.2926, 0.3810

Protanopia

35.3259, 0.3447, 0.3656

Deuteranopia

35.4321, 0.3498, 0.3431



Tritanopia

35.9307, 0.2689, 0.3093

Trichromacy



Original Color

35.8033, 0.2926, 0.3810

Protanomaly

35.2957, 0.3239, 0.3720

Deuteranomaly

35.2252, 0.3259, 0.3559

Tritanomaly

35.8626, 0.2777, 0.3351

Monochromacy



Original Color

35.8033, 0.2926, 0.3810

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.4104, 0.3052, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8033, 0.2926, 0.3810 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(120, 173, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 173, 141)  
}
```

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(120, 173, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 173, 141) }
```

Border

The CSS property to change the border of an element to Yxy 35.8033, 0.2926, 0.3810 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(120, 173, 141) }
```

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

```
.border{ border-color:rgb(120, 173, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 173, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 173, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 173, 141);  
box-shadow:4px 4px 4px 4px rgb(120, 173,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8033, 0.2926, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 173, 141) }
```

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

```
.background{ background-color: rgb(120,  
173, 141) }
```

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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