

Converting Colors

$Y_{xy}(35.5395, 0.2812, 0.3769)$

Have a look what the booklet for
Yxy(35.5395, 0.2812, 0.3769)
contains.

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Color

Yxy(35.5676, 0.2814, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	6DAE91
RGB	109, 174, 145
RGB Percent	43%, 68%, 57%
CMY	0.5724, 0.3176, 0.4314
CMYK	0.37, 0.00, 0.17, 0.32
HSL	153°, 29%, 55%
HSV	153°, 37%, 68%
XYZ	26.5554, 35.5676, 32.2458
YIQ	151.2590, -29.4310, -22.7990

Conversions

Conversions Part 2

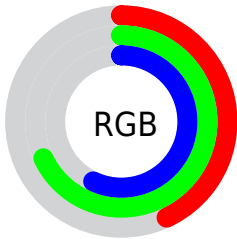
Format	Color
RYB	109, 151, 174
Decimal	7188113
CIELab	66.19, -27.39, 8.39
CIELCh	66, 28.647, 162.965
Yxy	35.5676, 0.2814, 0.3769
Android (android.graphics.Color)	4285378193 (0xFF6DAE91)
YUV	151.2590, -3.0857, -37.0611
Hunter-Lab	59.6386, -24.8865, 9.6897

Details

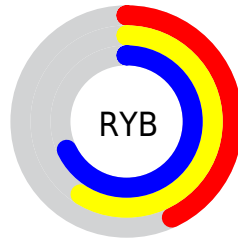
The Yxy color **35.5676, 0.2814, 0.3769** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7799, 0.3615, 0.2861**, and the grayscale version is **31.0903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5037, 0.2878, 0.3670**, and **15.3708, 0.2702, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **34.3406, 0.2748, 0.3925**, and if you desaturate by 10%, it is **37.0324, 0.2890, 0.3624**.

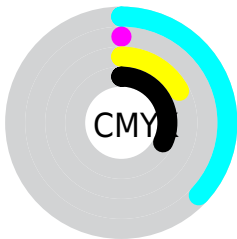
Distribution



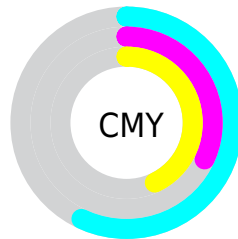
- Red (43%)
- Green (68%)
- Blue (57%)



- Red (43%)
- Yellow (59%)
- Blue (68%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (32%)




- Cyan (57%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5676, 0.2814, 0.3769 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 35.5676, 0.2814, 0.3769 by changing the saturation by 10% instead.


 35.5676, 0.2814,
0.3769


 35.5676, 0.2814,
0.3769


327.0666, 0.2981,
0.3511

 24.1004, 0.2768,
0.3840


 68.3641, 0.2877,
0.3670

 15.4081, 0.2708,
0.3936


 90.4623, 0.2900,
0.3635

 9.1063, 0.2622,
0.4072


 116.8729, 0.2920,
0.3605

 4.8106, 0.2493,
0.4280

 147.9804, 0.2936,
0.3581

 2.1366, 0.2278,
0.4636

184.1691, 0.2950,
0.3559

 0.6851, 0.0000,
0.8114

225.8235, 0.2961,

 0.0000, 0.0000,

0.3541

0.0000

273.3278, 0.2972,
0.3525

■ 35.5676, 0.2814,
0.3769

■ 35.5676, 0.2814,
0.3769

■ 34.3406, 0.2748,
0.3925

■ 37.0324, 0.2890,
0.3624

■ 33.3337, 0.2696,
0.4090

■ 38.7428, 0.2973,
0.3491

■ 32.5337, 0.2659,
0.4261


■ 40.7116, 0.3061,
0.3370


■ 31.9242, 0.2642,
0.4434


■ 42.9494, 0.3151,
0.3262

■ 31.4860, 0.2644,
0.4606


■ 45.4663, 0.3241,
0.3166

 31.1902, 0.2665,
0.4773

 48.2717, 0.3330,
0.3081

 31.1215, 0.2671,
0.4817

 51.3747, 0.3417,
0.3007

 54.7839, 0.3501,
0.2941

 56.4345, 0.3491,
0.2871

Harmonies

Analogous

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



35.5676, 0.3239, 0.4040



35.5676, 0.2814, 0.3769



35.5676, 0.2488, 0.3348

Triad

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



35.5676, 0.2814, 0.3769



35.5676, 0.2592, 0.2584



35.5676, 0.3995, 0.3537

Complementary

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



35.5676, 0.2814, 0.3769



21.7799, 0.3615, 0.2861

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.



35.5676, 0.3800, 0.3184



35.5676, 0.2814, 0.3769



35.5676, 0.2966, 0.2657

Square

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



35.5676, 0.2814, 0.3769



35.5676, 0.2368, 0.2678



35.5676, 0.3413, 0.2872



35.5676, 0.3935, 0.3859

Rectangle

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



35.5676, 0.2814, 0.3769



35.5676, 0.2362, 0.3068



35.5676, 0.3413, 0.2872



35.5676, 0.3957, 0.3419

Sweetspot

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



35.5691, 0.2814, 0.3769



72.4128, 0.3027, 0.3415



36.8030, 0.3332, 0.4314



15.9889, 0.3015, 0.3431



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.5691, 0.2814, 0.3769



62.6073, 0.2757, 0.3900



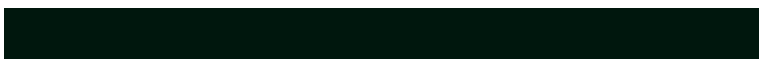
35.3413, 0.2607, 0.3237



9.0107, 0.3044, 0.3393



22.5850, 0.2666, 0.4799



0.6391, 0.2525, 0.4291

Inverse Universe

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



21.7799, 0.3615, 0.2861



33.8640, 0.3778, 0.2765



21.7544, 0.4000, 0.3342



8.0726, 0.3219, 0.3189



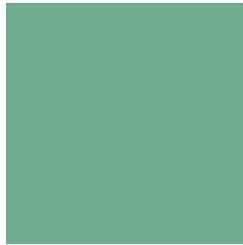
6.9345, 0.5148, 0.2610



0.2040, 0.4417, 0.2207

Previews

White Background



This preview shows how the Yxy color 35.5676, 0.2814, 0.3769 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 35.5676, 0.2814, 0.3769 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 35.5676, 0.2814, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 35.5676, 0.2814, 0.3769.

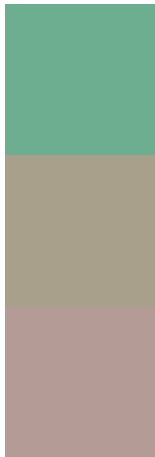


This preview shows how white text looks on a background with the Yxy color 35.5676, 0.2814, 0.3769.

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

35.5676, 0.2814, 0.3769

Protanopia

35.3014, 0.3409, 0.3613

Deuteranopia

35.3159, 0.3437, 0.3375



Tritanopia

35.6049, 0.2612, 0.3089

Trichromacy



Original Color

35.5676, 0.2814, 0.3769

Protanomaly

35.0364, 0.3166, 0.3661

Deuteranomaly

34.8488, 0.3174, 0.3502

Tritanomaly

35.6352, 0.2683, 0.3320

Monochromacy



Original Color

35.5676, 0.2814, 0.3769

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.2004, 0.2997, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5676, 0.2814, 0.3769 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(109, 174, 145)` looks like.

```
.text, #text, p{  
    color:rgb(109, 174, 145)  
}
```

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(109, 174, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 174, 145) }
```

Border

The CSS property to change the border of an element to Yxy 35.5676, 0.2814, 0.3769 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(109, 174, 145) }
```

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

```
.border{ border-color:rgb(109, 174, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 174, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 174, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 174, 145);  
box-shadow:4px 4px 4px 4px rgb(109, 174,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5676, 0.2814, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 174, 145) }
```

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

```
.background{ background-color: rgb(109,  
174, 145) }
```

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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