

Converting Colors

$Y_{xy}(32.4465, 0.2850, 0.3765)$

Have a look what the booklet for
Yxy(32.4465, 0.2850, 0.3765)
contains.

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Color

Yxy(32.3586, 0.2856, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	6DA68A
RGB	109, 166, 138
RGB Percent	43%, 65%, 54%
CMY	0.5727, 0.3490, 0.4589
CMYK	0.34, 0.00, 0.17, 0.35
HSL	151°, 24%, 54%
HSV	151°, 34%, 65%
XYZ	24.5266, 32.3586, 28.9922
YIQ	145.7650, -24.9840, -20.7920

Conversions

Conversions Part 2

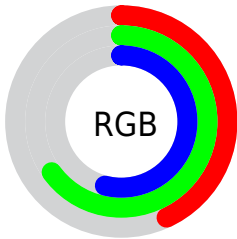
Format	Color
RYB	109, 147, 166
Decimal	7186058
CIELab	63.64, -24.94, 8.64
CIELCh	64, 26.398, 160.897
Yxy	32.3586, 0.2856, 0.3768
Android (android.graphics.Color)	4285376138 (0xFF6DA68A)
YUV	145.7650, -3.8281, -32.2429
Hunter-Lab	56.8846, -22.5854, 9.6011

Details

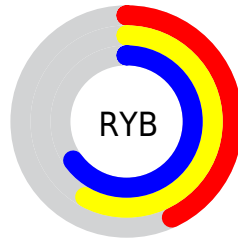
The Yxy color **32.3586, 0.2856, 0.3768** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.8449, 0.3527, 0.2860**, and the grayscale version is **28.6646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1559, 0.2914, 0.3669**, and **13.6387, 0.2758, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **31.1776, 0.2791, 0.3937**, and if you desaturate by 10%, it is **33.7589, 0.2929, 0.3612**.

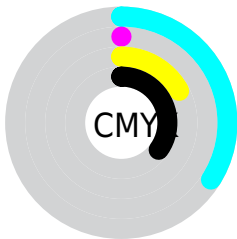
Distribution



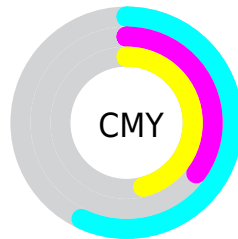
- Red (43%)
- Green (65%)
- Blue (54%)



- Red (43%)
- Yellow (58%)
- Blue (65%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)





- Cyan (57%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3586, 0.2856, 0.3768 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 32.3586, 0.2856, 0.3768 by changing the saturation by 10% instead.


 32.3586, 0.2856,
0.3768


 32.3586, 0.2856,
0.3768


312.7496, 0.3003,
0.3507

 21.6355, 0.2815,
0.3842


 63.3728, 0.2913,
0.3667


 13.5894, 0.2759,
0.3942


 84.4328, 0.2933,
0.3631

 7.8356, 0.2678,
0.4087


 109.7072, 0.2950,
0.3601

 3.9899, 0.2554,
0.4314

 139.5805, 0.2964,
0.3576

 1.6679, 0.2336,
0.4717

174.4369, 0.2976,
0.3555

 0.4028, 0.0000,
1.0000

214.6610, 0.2986,

 0.0000, 0.0000,

0.3537

0.0000

260.6371, 0.2995,
0.3521

■ 32.3586, 0.2856,
0.3768

■ 32.3586, 0.2856,
0.3768

■ 31.1776, 0.2791,
0.3937

■ 33.7589, 0.2929,
0.3612

■ 30.2001, 0.2739,
0.4116

■ 35.3851, 0.3008,
0.3470

■ 29.4149, 0.2701,
0.4303

■ 37.2486, 0.3091,
0.3342


■ 28.8077, 0.2681,
0.4494


■ 39.3588, 0.3174,
0.3227

■ 28.3621, 0.2680,
0.4682


■ 41.7245, 0.3257,
0.3126


 28.0586, 0.2698,
0.4865

 44.3541, 0.3339,
0.3036

 27.9232, 0.2712,
0.4965

 47.2557, 0.3417,
0.2958

 50.4370, 0.3493,
0.2889

 53.2588, 0.3536,
0.2824

Harmonies

Analogous

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



32.3586, 0.3264, 0.4010



32.3586, 0.2856, 0.3768



32.3586, 0.2535, 0.3375

Triad

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



32.3586, 0.2856, 0.3768



32.3586, 0.2597, 0.2617



32.3586, 0.3946, 0.3505

Complementary

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



32.3586, 0.2856, 0.3768



20.8449, 0.3527, 0.2860

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.



32.3586, 0.3746, 0.3168



32.3586, 0.2856, 0.3768



32.3586, 0.2947, 0.2676

Square

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



32.3586, 0.2856, 0.3768



32.3586, 0.2395, 0.2720



32.3586, 0.3370, 0.2873



32.3586, 0.3907, 0.3816

Rectangle

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



32.3586, 0.2856, 0.3768



32.3586, 0.2406, 0.3107



32.3586, 0.3370, 0.2873



32.3586, 0.3905, 0.3392

Sweetspot

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



32.3599, 0.2856, 0.3768



65.5702, 0.3043, 0.3415



33.7394, 0.3345, 0.4213



14.5731, 0.3031, 0.3432



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.3599, 0.2856, 0.3768



57.0976, 0.2807, 0.3892



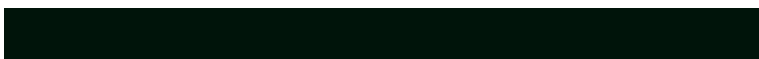
33.2789, 0.2651, 0.3289



8.4690, 0.3050, 0.3403



21.6597, 0.2708, 0.4949



0.5373, 0.2540, 0.4345

Inverse Universe

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



20.8449, 0.3527, 0.2860



33.0822, 0.3649, 0.2766



20.1424, 0.3915, 0.3292



7.6014, 0.3212, 0.3180



6.7632, 0.4959, 0.2505



0.1749, 0.4238, 0.2109

Previews

White Background



This preview shows how the Yxy color 32.3586, 0.2856, 0.3768 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 32.3586, 0.2856, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

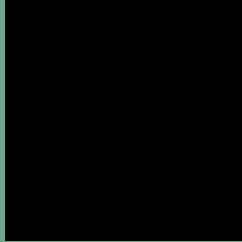
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3586, 0.2856, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 32.3586, 0.2856, 0.3768.

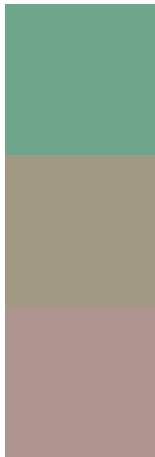


This preview shows how white text looks on a background with the Yxy color 32.3586, 0.2856, 0.3768.

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

32.3586, 0.2856, 0.3768

Protanopia

31.9982, 0.3421, 0.3626

Deuteranopia

32.0170, 0.3451, 0.3378



Tritanopia

32.3276, 0.2643, 0.3083

Trichromacy



Original Color

32.3586, 0.2856, 0.3768

Protanomaly

31.9257, 0.3187, 0.3675

Deuteranomaly

31.8498, 0.3207, 0.3509

Tritanomaly

32.3450, 0.2718, 0.3321

Monochromacy



Original Color

32.3586, 0.2856, 0.3768

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.7522, 0.3021, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3586, 0.2856, 0.3768 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, 166, 138)` looks like.

```
.text, #text, p{  
    color:rgb(109, 166, 138)  
}
```

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, 166, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 166, 138) }
```

Border

The CSS property to change the border of an element to Yxy 32.3586, 0.2856, 0.3768 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, 166, 138) }
```

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

```
.border{ border-color:rgb(109, 166, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 166, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(109, 166,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3586, 0.2856, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 166, 138) }
```

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

```
.background{ background-color: rgb(109,  
166, 138) }
```

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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