

Converting Colors

$Yxy(34.0472, 0.2930, 0.3600)$

Have a look what the booklet for
Yxy(34.0472, 0.2930, 0.3600)
contains.

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Color

Yxy(33.8910, 0.2935, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	7FA693
RGB	127, 166, 147
RGB Percent	50%, 65%, 58%
CMY	0.5018, 0.3491, 0.4235
CMYK	0.23, 0.00, 0.11, 0.35
HSL	151°, 18%, 57%
HSV	151°, 23%, 65%
XYZ	27.6613, 33.8910, 32.6941
YIQ	152.1730, -17.1450, -14.1770

Conversions

Conversions Part 2

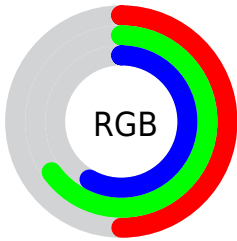
Format	Color
RYB	127, 153, 166
Decimal	8365715
CIELab	64.88, -17.26, 5.51
CIELCh	65, 18.117, 162.278
Yxy	33.8910, 0.2935, 0.3596
Android (android.graphics.Color)	4286555795 (0xFF7FA693)
YUV	152.1730, -2.5503, -22.0767
Hunter-Lab	58.2160, -17.0637, 7.4539

Details

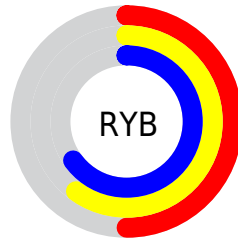
The Yxy color **33.8910, 0.2935, 0.3596** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.3736, 0.3375, 0.3003**, and the grayscale version is **31.4996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6332, 0.2971, 0.3531**, and **14.4569, 0.2875, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **32.4754, 0.2861, 0.3749**, and if you desaturate by 10%, it is **35.5372, 0.3015, 0.3456**.

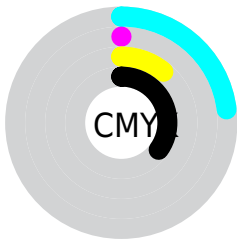
Distribution



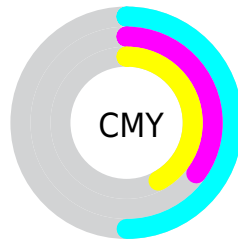
- Red (50%)
- Green (65%)
- Blue (58%)



- Red (50%)
- Yellow (60%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)





- Cyan (50%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8910, 0.2935, 0.3596 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 33.8910, 0.2935, 0.3596 by changing the saturation by 10% instead.


 33.8910, 0.2935,
0.3596


 33.8910, 0.2935,
0.3596

319.6458, 0.3038,
0.3432

 22.8099, 0.2907,
0.3641


 65.7641, 0.2974,
0.3533

 14.4532, 0.2869,
0.3702


 87.3249, 0.2988,
0.3511

 8.4365, 0.2816,
0.3789


 113.1477, 0.3000,
0.3492

 4.3755, 0.2735,
0.3921

143.6169, 0.3010,
0.3476

 1.8858, 0.2599,
0.4148

179.1170, 0.3018,
0.3463

 0.5398, 0.1101,
0.6474

220.0322, 0.3026,

 0.0000, 0.0000,

0.3451

0.0000

266.7470, 0.3032,
0.3441

■ 33.8910, 0.2935,
0.3596

■ 33.8910, 0.2935,
0.3596

■ 32.4754, 0.2861,
0.3749

■ 35.5372, 0.3015,
0.3456

■ 31.2757, 0.2795,
0.3916

■ 37.4199, 0.3098,
0.3330

■ 30.2817, 0.2740,
0.4093

■ 39.5496, 0.3182,
0.3218

■ 29.4807, 0.2701,
0.4277

■ 41.9352, 0.3266,
0.3118

■ 28.8588, 0.2678,
0.4466

■ 44.5852, 0.3347,
0.3031

■ 28.3999, 0.2675,
0.4654

■ 47.5074, 0.3427,
0.2954

■ 28.0847, 0.2692,
0.4836

■ 50.7095, 0.3503,
0.2886

■ 27.9272, 0.2709,
0.4951

■ 53.2688, 0.3533,
0.2821

■ 53.6866, 0.3461,
0.2742

Harmonies

Analogous

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



33.8910, 0.3213, 0.3762



33.8910, 0.2935, 0.3596



33.8910, 0.2715, 0.3339

Triad

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



33.8910, 0.2935, 0.3596



33.8910, 0.2774, 0.2824



33.8910, 0.3681, 0.3458

Complementary

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



33.8910, 0.2935, 0.3596



25.3736, 0.3375, 0.3003

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.



33.8910, 0.3553, 0.3222



33.8910, 0.2935, 0.3596



33.8910, 0.3021, 0.2867

Square

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



33.8910, 0.2935, 0.3596



33.8910, 0.2625, 0.2897



33.8910, 0.3308, 0.3010



33.8910, 0.3651, 0.3665

Rectangle

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



33.8910, 0.2935, 0.3596



33.8910, 0.2627, 0.3162



33.8910, 0.3308, 0.3010



33.8910, 0.3655, 0.3380

Sweetspot

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



33.8924, 0.2935, 0.3596



66.6158, 0.3067, 0.3375



34.9619, 0.3280, 0.3899



14.8638, 0.3063, 0.3382



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.



33.8924, 0.2935, 0.3596



60.1664, 0.2896, 0.3672



34.5382, 0.2788, 0.3289



8.4696, 0.3049, 0.3402



21.6680, 0.2704, 0.4935



0.5375, 0.2538, 0.4336

Inverse Universe

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



25.3736, 0.3375, 0.3003



42.0400, 0.3443, 0.2938



24.8311, 0.3599, 0.3291



7.6009, 0.3213, 0.3180



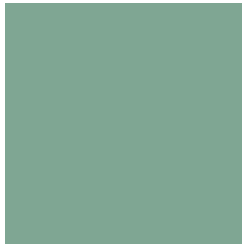
6.7553, 0.4976, 0.2515



0.1747, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 33.8910, 0.2935, 0.3596 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 33.8910, 0.2935, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

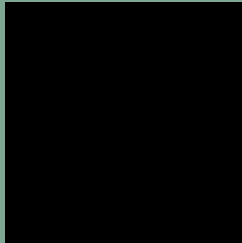
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8910, 0.2935, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 33.8910, 0.2935, 0.3596.



This preview shows how white text looks on a background with the Yxy color 33.8910, 0.2935, 0.3596.

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

33.8910, 0.2935, 0.3596

Protanopia

33.5165, 0.3328, 0.3500

Deuteranopia

33.7724, 0.3382, 0.3319



Tritanopia

33.8413, 0.2755, 0.3090

Trichromacy



Original Color

33.8910, 0.2935, 0.3596

Protanomaly

33.6393, 0.3173, 0.3537

Deuteranomaly

33.5530, 0.3210, 0.3411

Tritanomaly

33.6568, 0.2816, 0.3258

Monochromacy



Original Color

33.8910, 0.2935, 0.3596

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1556, 0.3054, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8910, 0.2935, 0.3596 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(127, 166, 147)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 147)  
}
```

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(127, 166, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 147) }
```

Border

The CSS property to change the border of an element to Yxy 33.8910, 0.2935, 0.3596 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(127, 166, 147) }
```

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

```
.border{ border-color:rgb(127, 166, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 166, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 147);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8910, 0.2935, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 147) }
```

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

```
.background{ background-color: rgb(127,  
166, 147) }
```

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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