

Converting Colors

$Y_{xy}(35.8301, 0.2938, 0.3492)$

Have a look what the booklet for
Yxy(35.8301, 0.2938, 0.3492)
contains.

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Color

Yxy(35.9271, 0.2933, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	87A99C
RGB	135, 169, 156
RGB Percent	53%, 66%, 61%
CMY	0.4705, 0.3373, 0.3882
CMYK	0.20, 0.00, 0.08, 0.34
HSL	157°, 16%, 60%
HSV	157°, 20%, 66%
XYZ	30.1845, 35.9271, 36.8019
YIQ	157.3520, -16.0910, -11.2510

Conversions

Conversions Part 2

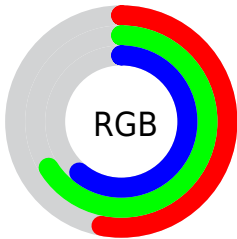
Format	Color
RYB	135, 156, 169
Decimal	8890780
CIELab	66.46, -14.32, 2.86
CIElCh	66, 14.604, 168.690
Yxy	35.9271, 0.2933, 0.3491
Android (android.graphics.Color)	4287080860 (0xFF87A99C)
YUV	157.3520, -0.6665, -19.6027
Hunter-Lab	59.9392, -15.0036, 5.5542

Details

The Yxy color **35.9271, 0.2933, 0.3491** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.9091, 0.3372, 0.3098**, and the grayscale version is **33.8955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7833, 0.2976, 0.3453**, and **15.6738, 0.2873, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **34.4228, 0.2844, 0.3606**, and if you desaturate by 10%, it is **37.6685, 0.3028, 0.3386**.

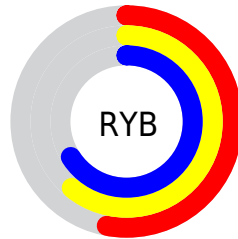
Distribution



Red (53%)

Green (66%)

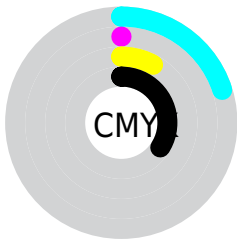
Blue (61%)



Red (53%)

Yellow (61%)

Blue (66%)

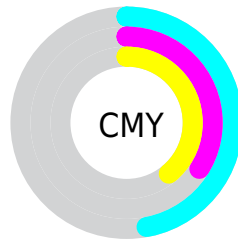


Cyan (20%)

Magenta (0%)

Yellow (8%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9271, 0.2933, 0.3491 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 35.9271, 0.2933, 0.3491 by changing the saturation by 10% instead.

 35.9271, 0.2933,
0.3491


 35.9271, 0.2933,
0.3491


328.6418, 0.3035,
0.3385

 24.3779, 0.2906,
0.3520


 68.9195, 0.2971,
0.3451

 15.6142, 0.2870,
0.3557


 91.1316, 0.2985,
0.3436

 9.2516, 0.2820,
0.3610


 117.6666, 0.2997,
0.3424

 4.9056, 0.2746,
0.3690

148.9092, 0.3007,
0.3414

 2.1920, 0.2626,
0.3820

185.2436, 0.3015,
0.3405

 0.7156, 0.2034,
0.4403

227.0542, 0.3023,

 0.0000, 0.0000,

0.3398

0.0000

274.7255, 0.3029,
0.3391

■ 35.9271, 0.2933,
0.3491

■ 35.9271, 0.2933,
0.3491

■ 34.4228, 0.2844,
0.3606

■ 37.6685, 0.3028,
0.3386

■ 33.1406, 0.2764,
0.3731

■ 39.6526, 0.3126,
0.3291

■ 32.0703, 0.2695,
0.3865

■ 41.8901, 0.3226,
0.3206

■ 31.1996, 0.2641,
0.4005

■ 44.3900, 0.3325,
0.3131

■ 30.5143, 0.2605,
0.4150

■ 47.1607, 0.3422,
0.3064

■ 29.9988, 0.2587,
0.4297

■ 50.2102, 0.3517,
0.3006

■ 29.6345, 0.2590,
0.4443

■ 53.5462, 0.3608,
0.2955

■ 29.3823, 0.2607,
0.4585

■ 54.1731, 0.3564,
0.2891

■ 54.4970, 0.3506,
0.2827

Harmonies

Analogous

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



35.9271, 0.3149, 0.3640



35.9271, 0.2933, 0.3491



35.9271, 0.2772, 0.3285

Triad

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



35.9271, 0.2933, 0.3491



35.9271, 0.2884, 0.2918



35.9271, 0.3569, 0.3465

Complementary

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



35.9271, 0.2933, 0.3491



27.9091, 0.3372, 0.3098

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.



35.9271, 0.3494, 0.3278



35.9271, 0.2933, 0.3491



35.9271, 0.3093, 0.2970

Square

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



35.9271, 0.2933, 0.3491



35.9271, 0.2745, 0.2959



35.9271, 0.3317, 0.3100



35.9271, 0.3521, 0.3616

Rectangle

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



35.9271, 0.2933, 0.3491



35.9271, 0.2715, 0.3150



35.9271, 0.3317, 0.3100



35.9271, 0.3557, 0.3405

Sweetspot

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



35.9286, 0.2933, 0.3491



68.8308, 0.3067, 0.3347



36.4251, 0.3222, 0.3812



14.9553, 0.3061, 0.3353



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.



35.9286, 0.2933, 0.3491



63.1312, 0.2894, 0.3540



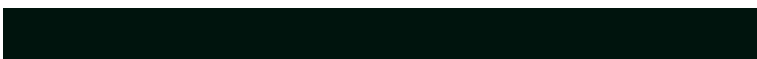
34.9400, 0.2829, 0.3229



8.4827, 0.3036, 0.3378



21.9102, 0.2603, 0.4570



0.5426, 0.2471, 0.4095

Inverse Universe

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



27.9091, 0.3372, 0.3098



46.2012, 0.3438, 0.3054



28.6476, 0.3505, 0.3351



7.5880, 0.3228, 0.3204



6.5773, 0.5407, 0.2752



0.1700, 0.4536, 0.2272

Previews

White Background



This preview shows how the Yxy color 35.9271, 0.2933, 0.3491 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 35.9271, 0.2933, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

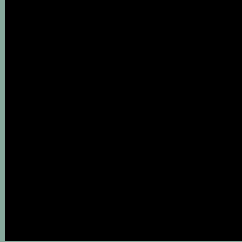
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

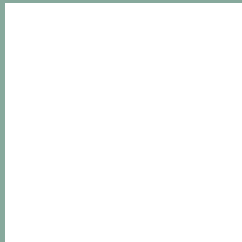
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9271, 0.2933, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 35.9271, 0.2933, 0.3491.



This preview shows how white text looks on a background with the Yxy color 35.9271, 0.2933, 0.3491.

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

35.9271, 0.2933, 0.3491

Protanopia

35.8311, 0.3266, 0.3436

Deuteranopia

35.7451, 0.3318, 0.3249



Tritanopia

36.0161, 0.2787, 0.3096

Trichromacy



Original Color

35.9271, 0.2933, 0.3491

Protanomaly

35.8194, 0.3138, 0.3454

Deuteranomaly

35.6397, 0.3163, 0.3334

Tritanomaly

35.9810, 0.2840, 0.3229

Monochromacy



Original Color

35.9271, 0.2933, 0.3491

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3136, 0.3049, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9271, 0.2933, 0.3491 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, 169, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 169, 156)  
}
```

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, 169, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 169, 156) }
```

Border

The CSS property to change the border of an element to Yxy 35.9271, 0.2933, 0.3491 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, 169, 156) }
```

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

```
.border{ border-color:rgb(135, 169, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 169, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 169, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 169, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 169,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9271, 0.2933, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 169, 156) }
```

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

```
.background{ background-color: rgb(135,  
169, 156) }
```

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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