

Converting Colors

$Y_{xy}(35.6599, 0.3021, 0.3714)$

Have a look what the booklet for
Yxy(35.6599, 0.3021, 0.3714)
contains.

Yxy(35.7192, 0.3019, 0.3718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7192, 0.3019, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	85AA8F
RGB	133, 170, 143
RGB Percent	52%, 67%, 56%
CMY	0.4785, 0.3333, 0.4393
CMYK	0.22, 0.00, 0.16, 0.33
HSL	136°, 18%, 59%
HSV	136°, 22%, 67%
XYZ	29.0038, 35.7192, 31.3480
YIQ	155.8590, -13.3850, -16.2410

Conversions

Conversions Part 2

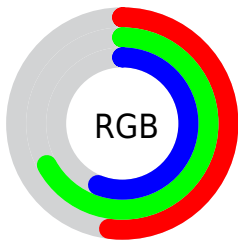
Format	Color
RYB	133, 162, 170
Decimal	8759951
CIELab	66.30, -18.14, 9.84
CIELCh	66, 20.638, 151.517
Yxy	35.7192, 0.3019, 0.3718
Android (android.graphics.Color)	4286950031 (0xFF85AA8F)
YUV	155.8590, -6.3395, -20.0473
Hunter-Lab	59.7655, -17.9648, 10.7373

Details

The Yxy color **35.7192, 0.3019, 0.3718** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.8582, 0.3256, 0.2897**, and the grayscale version is **33.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4464, 0.3043, 0.3623**, and **15.5862, 0.2980, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **34.0917, 0.2972, 0.3951**, and if you desaturate by 10%, it is **37.6153, 0.3068, 0.3508**.

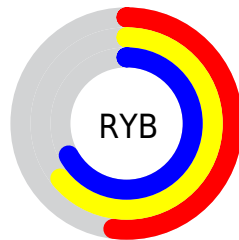
Distribution



Red (52%)

Green (67%)

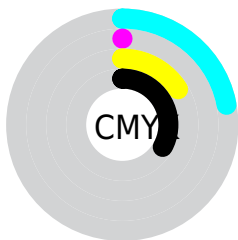
Blue (56%)



Red (52%)

Yellow (64%)

Blue (67%)

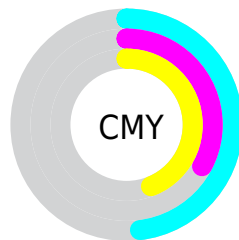


Cyan (22%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (48%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7192, 0.3019, 0.3718 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 35.7192, 0.3019, 0.3718 by changing the saturation by 10% instead.


 35.7192, 0.3019,
0.3718

 35.7192, 0.3019,
0.3718


327.7316, 0.3079,
0.3488


 24.2174, 0.3002,
0.3781


 68.5984, 0.3042,
0.3630

 15.4950, 0.2979,
0.3866


 90.7447, 0.3050,
0.3599

 9.1675, 0.2946,
0.3986


 117.2078, 0.3057,
0.3573

 4.8506, 0.2893,
0.4168

148.3723, 0.3063,
0.3550

 2.1599, 0.2800,
0.4478

184.6226, 0.3068,
0.3532

 0.6980, 0.2227,
0.7047

226.3429, 0.3072,

 0.0000, 0.0000,

0.3515

0.0000

273.9178, 0.3075,
0.3501

■ 35.7192, 0.3019,
0.3718

■ 35.7192, 0.3019,
0.3718

■ 34.0917, 0.2972,
0.3951

■ 37.6153, 0.3068,
0.3508

■ 32.7162, 0.2930,
0.4204

■ 39.7867, 0.3118,
0.3321

■ 31.5810, 0.2895,
0.4472

■ 42.2457, 0.3168,
0.3156

■ 30.6720, 0.2871,
0.4748

■ 45.0023, 0.3215,
0.3011

■ 29.9733, 0.2860,
0.5020

■ 48.0661, 0.3261,
0.2886

■ 29.4670, 0.2864,
0.5274

■ 51.4463, 0.3303,
0.2776

■ 29.1320, 0.2883,
0.5498

■ 55.1516, 0.3344,
0.2681

■ 28.9485, 0.2904,
0.5654

■ 56.4383, 0.3267,
0.2572

■ 57.2106, 0.3169,
0.2463

Harmonies

Analogous

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



35.7192, 0.3334, 0.3849



35.7192, 0.3019, 0.3718



35.7192, 0.2742, 0.3454

Triad

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



35.7192, 0.3019, 0.3718



35.7192, 0.2659, 0.2785



35.7192, 0.3716, 0.3381

Complementary

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



35.7192, 0.3019, 0.3718



27.8582, 0.3256, 0.2897

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.



35.7192, 0.3516, 0.3123



35.7192, 0.3019, 0.3718



35.7192, 0.2900, 0.2789

Square

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



35.7192, 0.3019, 0.3718



35.7192, 0.2543, 0.2911



35.7192, 0.3213, 0.2911



35.7192, 0.3746, 0.3631

Rectangle

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



35.7192, 0.3019, 0.3718



35.7192, 0.2614, 0.3250



35.7192, 0.3213, 0.2911



35.7192, 0.3666, 0.3293

Sweetspot

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



35.7207, 0.3019, 0.3718



70.0095, 0.3092, 0.3418



37.9328, 0.3353, 0.3838



15.5627, 0.3089, 0.3429



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.



35.7207, 0.3019, 0.3718



63.3585, 0.2996, 0.3825



36.3241, 0.2875, 0.3423



8.4398, 0.3081, 0.3459



21.3013, 0.2899, 0.5636



0.5266, 0.2715, 0.4974

Inverse Universe

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



27.8582, 0.3256, 0.2897



46.5867, 0.3290, 0.2809



27.2616, 0.3459, 0.3162



7.6315, 0.3177, 0.3127



7.3683, 0.4018, 0.1987



0.1871, 0.3699, 0.1811

Previews

White Background



This preview shows how the Yxy color 35.7192, 0.3019, 0.3718 looks on a white background.

Color Contrast Check

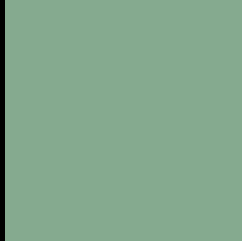
Large Text (above 18pt) WCAG AA × Fail

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 35.7192, 0.3019, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

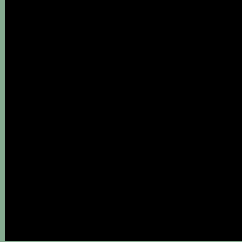
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7192, 0.3019, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 35.7192, 0.3019, 0.3718.



This preview shows how white text looks on a background with the Yxy color 35.7192, 0.3019, 0.3718.

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

35.7192, 0.3019, 0.3718

Protanopia

35.4116, 0.3419, 0.3612

Deuteranopia

35.4631, 0.3488, 0.3417



Tritanopia

35.6136, 0.2793, 0.3095

Trichromacy



Original Color

35.7192, 0.3019, 0.3718

Protanomaly

35.5123, 0.3262, 0.3653

Deuteranomaly

35.0785, 0.3303, 0.3512

Tritanomaly

35.6724, 0.2878, 0.3320

Monochromacy



Original Color

35.7192, 0.3019, 0.3718

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0200, 0.3092, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7192, 0.3019, 0.3718 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(133, 170, 143)` looks like.

```
.text, #text, p{  
    color:rgb(133, 170, 143)  
}
```

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(133, 170, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 143) }
```

Border

The CSS property to change the border of an element to Yxy 35.7192, 0.3019, 0.3718 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(133, 170, 143) }
```

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

```
.border{ border-color:rgb(133, 170, 143) }
```

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

Here you see how a box with a 4 pixel rgb(133, 170, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 170, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 170, 143);  
box-shadow:4px 4px 4px 4px rgb(133, 170,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7192, 0.3019, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 170, 143) }
```

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

```
.background{ background-color: rgb(133,  
170, 143) }
```

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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