

Converting Colors

$Y_{xy}(36.0822, 0.3050, 0.3720)$

Have a look what the booklet for
Yxy(36.0822, 0.3050, 0.3720)
contains.

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Color

Yxy(35.9669, 0.3045, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	88AA8F
RGB	136, 170, 143
RGB Percent	53%, 67%, 56%
CMY	0.4668, 0.3333, 0.4393
CMYK	0.20, 0.00, 0.16, 0.33
HSL	132°, 17%, 60%
HSV	132°, 20%, 67%
XYZ	29.4803, 35.9669, 31.3682
YIQ	156.7560, -11.5970, -15.6050

Conversions

Conversions Part 2

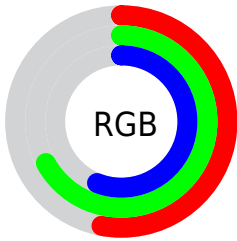
Format	Color
RYB	136, 164, 170
Decimal	8956559
CIELab	66.49, -17.13, 10.14
CIELCh	66, 19.903, 149.367
Yxy	35.9669, 0.3045, 0.3715
Android (android.graphics.Color)	4287146639 (0xFF88AA8F)
YUV	156.7560, -6.7817, -18.2030
Hunter-Lab	59.9724, -17.2076, 10.9694

Details

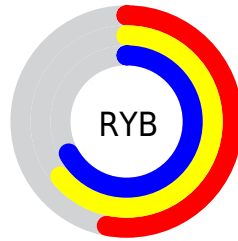
The Yxy color **35.9669, 0.3045, 0.3715** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **28.7894, 0.3222, 0.2899**, and the grayscale version is **33.6337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8288, 0.3063, 0.3621**, and **15.7256, 0.3016, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **34.2718, 0.3005, 0.3965**, and if you desaturate by 10%, it is **37.9400, 0.3086, 0.3490**.

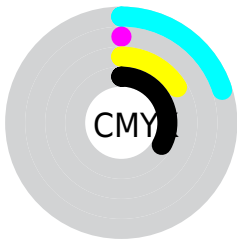
Distribution



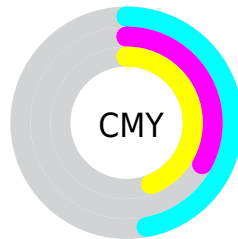
- Red (53%)
- Green (67%)
- Blue (56%)



- Red (53%)
- Yellow (64%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)




- Cyan (47%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9669, 0.3045, 0.3715 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 35.9669, 0.3045, 0.3715 by changing the saturation by 10% instead.


 35.9669, 0.3045,
0.3715


 35.9669, 0.3045,
0.3715

328.8158, 0.3091,
0.3487

 24.4086, 0.3032,
0.3777


 68.9810, 0.3063,
0.3628

 15.6370, 0.3014,
0.3861


 91.2056, 0.3069,
0.3597

 9.2677, 0.2987,
0.3979


 117.7544, 0.3074,
0.3571

 4.9162, 0.2945,
0.4159

149.0119, 0.3079,
0.3549

 2.1982, 0.2868,
0.4463

185.3623, 0.3082,
0.3530

 0.7190, 0.2507,
0.6795

227.1902, 0.3086,

 0.0000, 0.0000,

0.3514

0.0000

274.8799, 0.3088,
0.3500

■ 35.9669, 0.3045,
0.3715

■ 35.9669, 0.3045,
0.3715

■ 34.2718, 0.3005,
0.3965

■ 37.9400, 0.3086,
0.3490

■ 32.8379, 0.2969,
0.4238

■ 40.1981, 0.3127,
0.3291

■ 31.6532, 0.2938,
0.4527

■ 42.7538, 0.3167,
0.3115

■ 30.7033, 0.2916,
0.4823

■ 45.6172, 0.3205,
0.2963

■ 29.9723, 0.2904,
0.5112

■ 48.7982, 0.3241,
0.2830

■ 29.4419, 0.2905,
0.5377

■ 52.3062, 0.3274,
0.2715

■ 29.0911, 0.2919,
0.5604

■ 56.1503, 0.3305,
0.2616

■ 28.8763, 0.2939,
0.5781

■ 56.9765, 0.3197,
0.2495

■ 57.2347, 0.3166,
0.2460

Harmonies

Analogous

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



35.9669, 0.3348, 0.3829



35.9669, 0.3045, 0.3715



35.9669, 0.2773, 0.3468

Triad

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



35.9669, 0.3045, 0.3715



35.9669, 0.2664, 0.2808



35.9669, 0.3684, 0.3360

Complementary

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



35.9669, 0.3045, 0.3715



28.7894, 0.3222, 0.2899

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.



35.9669, 0.3483, 0.3112



35.9669, 0.3045, 0.3715



35.9669, 0.2889, 0.2802

Square

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



35.9669, 0.3045, 0.3715



35.9669, 0.2561, 0.2939



35.9669, 0.3188, 0.2913



35.9669, 0.3726, 0.3603

Rectangle

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



35.9669, 0.3045, 0.3715



35.9669, 0.2644, 0.3273



35.9669, 0.3188, 0.2913



35.9669, 0.3633, 0.3275

Sweetspot

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



35.9684, 0.3045, 0.3715



70.3685, 0.3102, 0.3409



38.3392, 0.3356, 0.3789



15.6362, 0.3100, 0.3422



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.



35.9684, 0.3045, 0.3715



63.8328, 0.3027, 0.3822



36.5168, 0.2912, 0.3446



8.4321, 0.3089, 0.3474



21.2448, 0.2935, 0.5765



0.5238, 0.2772, 0.5180

Inverse Universe

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



28.7894, 0.3222, 0.2899



48.4321, 0.3246, 0.2811



28.2262, 0.3401, 0.3139



7.6397, 0.3168, 0.3113



7.5804, 0.3799, 0.1866



0.1909, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 35.9669, 0.3045, 0.3715 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 35.9669, 0.3045, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

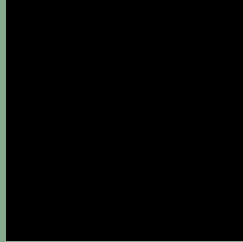
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9669, 0.3045, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 35.9669, 0.3045, 0.3715.



This preview shows how white text looks on a background with the Yxy color 35.9669, 0.3045, 0.3715.

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

35.9669, 0.3045, 0.3715

Protanopia

35.7597, 0.3416, 0.3626

Deuteranopia

35.7973, 0.3485, 0.3430



Tritanopia

35.8754, 0.2818, 0.3097

Trichromacy



Original Color

35.9669, 0.3045, 0.3715

Protanomaly

35.6125, 0.3272, 0.3651

Deuteranomaly

35.5334, 0.3311, 0.3525

Tritanomaly

35.9295, 0.2904, 0.3320

Monochromacy



Original Color

35.9669, 0.3045, 0.3715

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4972, 0.3092, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9669, 0.3045, 0.3715 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(136, 170, 143)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 170, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 143) }
```

Border

The CSS property to change the border of an element to Yxy 35.9669, 0.3045, 0.3715 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(136, 170, 143) }
```

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

```
.border{ border-color:rgb(136, 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(136, 170, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 143);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9669, 0.3045, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 143) }
```

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

```
.background{ background-color: rgb(136,  
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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