

Converting Colors

$Y_{xy}(35.3972, 0.3104, 0.3784)$

Have a look what the booklet for
Yxy(35.3972, 0.3104, 0.3784)
contains.

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Color

Yxy(35.5004, 0.3103, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	89A989
RGB	137, 169, 137
RGB Percent	54%, 66%, 54%
CMY	0.4628, 0.3372, 0.4626
CMYK	0.19, 0.00, 0.19, 0.34
HSL	120°, 16%, 60%
HSV	120°, 19%, 66%
XYZ	29.0194, 35.5004, 29.0007
YIQ	155.7840, -8.8000, -16.7360

Conversions

Conversions Part 2

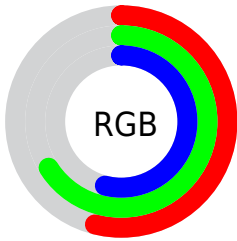
Format	Color
RYB	137, 169, 169
Decimal	9021833
CIELab	66.14, -17.35, 12.93
CIELCh	66, 21.644, 143.303
Yxy	35.5004, 0.3103, 0.3796
Android (android.graphics.Color)	4287211913 (0xFF89A989)
YUV	155.7840, -9.2605, -16.4736
Hunter-Lab	59.5822, -17.3307, 12.8491

Details

The Yxy color **35.5004, 0.3103, 0.3796** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.1853, 0.3149, 0.2831**, and the grayscale version is **33.1896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1054, 0.3115, 0.3694**, and **15.4369, 0.3095, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **33.7367, 0.3088, 0.4110**, and if you desaturate by 10%, it is **37.5665, 0.3116, 0.3514**.

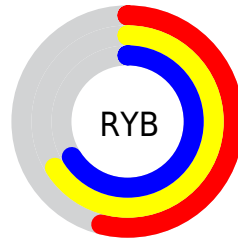
Distribution



Red (54%)

Green (66%)

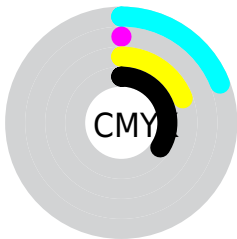
Blue (54%)



Red (54%)

Yellow (66%)

Blue (66%)

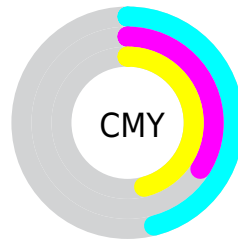


Cyan (19%)

Magenta (0%)

Yellow (19%)

Black (34%)



Cyan (46%)

Magenta (34%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5004, 0.3103, 0.3796 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 35.5004, 0.3103, 0.3796 by changing the saturation by 10% instead.


 35.5004, 0.3103,
0.3796


 35.5004, 0.3103,
0.3796


326.7716, 0.3120,
0.3524


 24.0486, 0.3097,
0.3871


 68.2602, 0.3110,
0.3692

 15.3697, 0.3088,
0.3972


 90.3371, 0.3113,
0.3655

 9.0792, 0.3073,
0.4115


 116.7244, 0.3114,
0.3623

 4.7929, 0.3047,
0.4333

147.8065, 0.3116,
0.3597

 2.1263, 0.2991,
0.4702

183.9679, 0.3117,
0.3575

 0.6793, 0.2463,
0.7537

225.5930, 0.3118,

 0.0000, 0.0000,

0.3555

0.0000

273.0661, 0.3119,
0.3539

■ 35.5004, 0.3103,
0.3796

■ 35.5004, 0.3103,
0.3796

■ 33.7367, 0.3088,
0.4110

■ 37.5665, 0.3116,
0.3514

■ 32.2572, 0.3072,
0.4450

■ 39.9436, 0.3128,
0.3265

■ 31.0482, 0.3055,
0.4803

■ 42.6454, 0.3139,
0.3050

■ 30.0934, 0.3039,
0.5149

■ 45.6835, 0.3148,
0.2864

■ 29.3746, 0.3024,
0.5462

■ 49.0688, 0.3155,
0.2704

■ 28.8715, 0.3013,
0.5716

■ 52.8119, 0.3162,
0.2567

■ 28.5598, 0.3005,
0.5891

■ 56.8579, 0.3167,
0.2450

■ 28.3938, 0.3000,
0.5990

■ 28.3784, 0.3000,
0.5999

Harmonies

Analogous

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



35.5004, 0.3430, 0.3884



35.5004, 0.3103, 0.3796



35.5004, 0.2794, 0.3547

Triad

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



35.5004, 0.3103, 0.3796



35.5004, 0.2588, 0.2782



35.5004, 0.3704, 0.3308

Complementary

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



35.5004, 0.3103, 0.3796



29.1853, 0.3149, 0.2831

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.



35.5004, 0.3456, 0.3047



35.5004, 0.3103, 0.3796



35.5004, 0.2808, 0.2750

Square

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



35.5004, 0.3103, 0.3796



35.5004, 0.2507, 0.2950



35.5004, 0.3124, 0.2847



35.5004, 0.3788, 0.3579

Rectangle

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



35.5004, 0.3103, 0.3796



35.5004, 0.2637, 0.3335



35.5004, 0.3124, 0.2847



35.5004, 0.3637, 0.3217

Sweetspot

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



35.5019, 0.3103, 0.3796



68.4259, 0.3120, 0.3440



38.6192, 0.3406, 0.3751



14.8588, 0.3119, 0.3456



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.



35.5019, 0.3103, 0.3796



62.1015, 0.3096, 0.3933



35.9946, 0.2974, 0.3538



8.4079, 0.3116, 0.3523



21.1489, 0.3000, 0.5999



0.5146, 0.2998, 0.5993

Inverse Universe

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



29.1853, 0.3149, 0.2831



48.5573, 0.3154, 0.2722



28.6220, 0.3314, 0.3055



7.6664, 0.3138, 0.3068



8.4147, 0.3213, 0.1544



0.2048, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 35.5004, 0.3103, 0.3796 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 35.5004, 0.3103, 0.3796 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 35.5004, 0.3103, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 35.5004, 0.3103, 0.3796.



This preview shows how white text looks on a background with the Yxy color 35.5004, 0.3103, 0.3796.

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

35.5004, 0.3103, 0.3796

Protanopia

35.2701, 0.3466, 0.3686

Deuteranopia

35.0719, 0.3561, 0.3487



Tritanopia

35.6545, 0.2842, 0.3097

Trichromacy



Original Color

35.5004, 0.3103, 0.3796

Protanomaly

35.0837, 0.3328, 0.3730

Deuteranomaly

34.7673, 0.3381, 0.3586

Tritanomaly

35.5438, 0.2936, 0.3350

Monochromacy



Original Color

35.5004, 0.3103, 0.3796

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0492, 0.3119, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5004, 0.3103, 0.3796 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(137, 169, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 137)  
}
```

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(137, 169, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 137) }
```

Border

The CSS property to change the border of an element to Yxy 35.5004, 0.3103, 0.3796 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(137, 169, 137) }
```

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

```
.border{ border-color:rgb(137, 169, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 169, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 169, 137); box-shadow:4px 4px 4px 4px rgb(137, 169, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5004, 0.3103, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 137) }
```

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

```
.background{ background-color: rgb(137,  
169, 137) }
```

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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