

Converting Colors

$Y_{xy}(36.8769, 0.2980, 0.3469)$

Have a look what the booklet for
Yxy(36.8769, 0.2980, 0.3469)
contains.

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Color

Yxy(36.9689, 0.2977, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	8EAA9E
RGB	142, 170, 158
RGB Percent	56%, 67%, 62%
CMY	0.4432, 0.3333, 0.3804
CMYK	0.16, 0.00, 0.07, 0.33
HSL	154°, 14%, 61%
HSV	154°, 16%, 67%
XYZ	31.6983, 36.9689, 37.8101
YIQ	160.2600, -12.8360, -9.6680

Conversions

Conversions Part 2

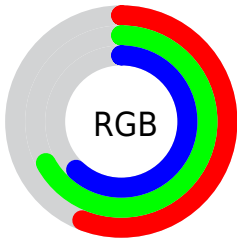
Format	Color
RYB	142, 160, 170
Decimal	9349790
CIELab	67.25, -12.11, 2.96
CIELCh	67, 12.471, 166.249
Yxy	36.9689, 0.2977, 0.3472
Android (android.graphics.Color)	4287539870 (0xFF8EAA9E)
YUV	160.2600, -1.1142, -16.0140
Hunter-Lab	60.8021, -13.3452, 5.6916

Details

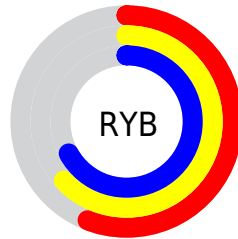
The Yxy color **36.9689, 0.2977, 0.3472** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.2195, 0.3307, 0.3115**, and the grayscale version is **35.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3903, 0.3004, 0.3427**, and **16.2426, 0.2922, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **35.3363, 0.2891, 0.3598**, and if you desaturate by 10%, it is **38.8488, 0.3067, 0.3358**.

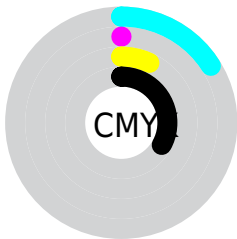
Distribution



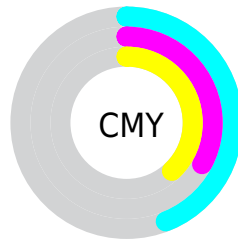
- Red (56%)
- Green (67%)
- Blue (62%)



- Red (56%)
- Yellow (63%)
- Blue (67%)



- Cyan (16%)
- Magenta (0%)
- Yellow (7%)
- Black (33%)





- Cyan (44%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9689, 0.2977, 0.3472 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 36.9689, 0.2977, 0.3472 by changing the saturation by 10% instead.


 36.9689, 0.2977,
0.3472


 36.9689, 0.2977,
0.3472


333.1759, 0.3056,
0.3376

 25.1834, 0.2956,
0.3498


 70.5250, 0.3006,
0.3436

 16.2138, 0.2929,
0.3531


 93.0643, 0.3017,
0.3423

 9.6755, 0.2891,
0.3578


 119.9571, 0.3026,
0.3412

 5.1844, 0.2835,
0.3648

151.5876, 0.3034,
0.3403

 2.3558, 0.2744,
0.3763

188.3404, 0.3040,
0.3395

 0.8030, 0.2413,
0.4144

230.5998, 0.3046,

 0.0000, 0.0000,

0.3388

0.0000

278.7501, 0.3051,
0.3382

■ 36.9689, 0.2977,
0.3472

■ 36.9689, 0.2977,
0.3472

■ 35.3363, 0.2891,
0.3598

■ 38.8488, 0.3067,
0.3358

■ 33.9358, 0.2812,
0.3736

■ 40.9814, 0.3160,
0.3255

■ 32.7574, 0.2744,
0.3884

■ 43.3775, 0.3252,
0.3164

■ 31.7889, 0.2688,
0.4040

■ 46.0461, 0.3344,
0.3084

■ 31.0165, 0.2649,
0.4203

■ 48.9956, 0.3433,
0.3013

■ 30.4249, 0.2628,
0.4369

■ 52.2342, 0.3519,
0.2950

■ 29.9962, 0.2627,
0.4534

■ 54.6167, 0.3550,
0.2889

■ 29.7060, 0.2645,
0.4695

■ 54.9860, 0.3486,
0.2817

■ 29.6189, 0.2653,
0.4750

■ 55.3720, 0.3422,
0.2746

Harmonies

Analogous

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



36.9689, 0.3162, 0.3591



36.9689, 0.2977, 0.3472



36.9689, 0.2835, 0.3302

Triad

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



36.9689, 0.2977, 0.3472



36.9689, 0.2909, 0.2973



36.9689, 0.3499, 0.3428

Complementary

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



36.9689, 0.2977, 0.3472



30.2195, 0.3307, 0.3115

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.



36.9689, 0.3427, 0.3268



36.9689, 0.2977, 0.3472



36.9689, 0.3083, 0.3011

Square

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



36.9689, 0.2977, 0.3472



36.9689, 0.2796, 0.3016



36.9689, 0.3273, 0.3117



36.9689, 0.3467, 0.3559

Rectangle

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



36.9689, 0.2977, 0.3472



36.9689, 0.2781, 0.3187



36.9689, 0.3273, 0.3117



36.9689, 0.3486, 0.3376

Sweetspot

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



36.9704, 0.2977, 0.3472



70.9907, 0.3080, 0.3343



37.5878, 0.3218, 0.3710



15.7751, 0.3074, 0.3350



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.



36.9704, 0.2977, 0.3472



65.8703, 0.2943, 0.3519



36.7089, 0.2882, 0.3261



8.4769, 0.3042, 0.3388



21.7965, 0.2648, 0.4733



0.5403, 0.2500, 0.4201

Inverse Universe

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



30.2195, 0.3307, 0.3115



51.1484, 0.3358, 0.3072



30.3997, 0.3429, 0.3319



7.5937, 0.3221, 0.3194



6.6498, 0.5219, 0.2649



0.1721, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 36.9689, 0.2977, 0.3472 looks on a white background.

Color Contrast Check

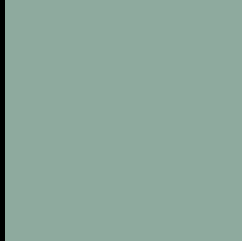
Large Text (above 18pt) WCAG AA × Fail

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 36.9689, 0.2977, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

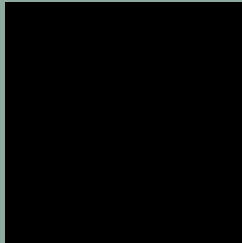
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

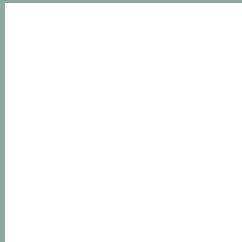
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9689, 0.2977, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 36.9689, 0.2977, 0.3472.



This preview shows how white text looks on a background with the Yxy color 36.9689, 0.2977, 0.3472.

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

36.9689, 0.2977, 0.3472

Protanopia

36.8523, 0.3255, 0.3420

Deuteranopia

36.6951, 0.3325, 0.3263



Tritanopia

37.0437, 0.2838, 0.3100

Trichromacy



Original Color

36.9689, 0.2977, 0.3472

Protanomaly

37.0099, 0.3157, 0.3451

Deuteranomaly

36.4509, 0.3192, 0.3333

Tritanomaly

37.0036, 0.2892, 0.3230

Monochromacy



Original Color

36.9689, 0.2977, 0.3472

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8264, 0.3068, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9689, 0.2977, 0.3472 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(142, 170, 158)` looks like.

```
.text, #text, p{  
    color:rgb(142, 170, 158)  
}
```

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(142, 170, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 170, 158) }
```

Border

The CSS property to change the border of an element to Yxy 36.9689, 0.2977, 0.3472 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(142, 170, 158) }
```

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

```
.border{ border-color:rgb(142, 170, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 170, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 170, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 170, 158);  
box-shadow:4px 4px 4px 4px rgb(142, 170,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9689, 0.2977, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 170, 158) }
```

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

```
.background{ background-color: rgb(142,  
170, 158) }
```

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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