

Converting Colors

$Y_{xy}(36.7979, 0.2991, 0.3860)$

Have a look what the booklet for
Yxy(36.7979, 0.2991, 0.3860)
contains.

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Color

Yxy(36.9596, 0.2991, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	7EAF8B
RGB	126, 175, 139
RGB Percent	49%, 69%, 55%
CMY	0.5058, 0.3137, 0.4550
CMYK	0.28, 0.00, 0.21, 0.31
HSL	136°, 23%, 59%
HSV	136°, 28%, 69%
XYZ	28.5945, 36.9596, 30.0476
YIQ	156.2450, -17.6480, -21.5840

Conversions

Conversions Part 2

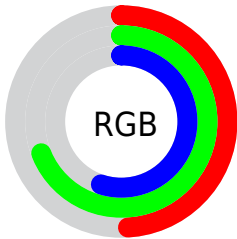
Format	Color
RYB	126, 165, 175
Decimal	8302475
CIELab	67.25, -23.79, 13.32
CIElCh	67, 27.265, 150.760
Yxy	36.9596, 0.2991, 0.3866
Android (android.graphics.Color)	4286492555 (0xFF7EAF8B)
YUV	156.2450, -8.5018, -26.5249
Hunter-Lab	60.7944, -22.4333, 13.2520

Details

The Yxy color **36.9596, 0.2991, 0.3866** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.6480, 0.3299, 0.2776**, and the grayscale version is **33.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7054, 0.3020, 0.3745**, and **16.1362, 0.2934, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **35.3908, 0.2947, 0.4114**, and if you desaturate by 10%, it is **38.8085, 0.3039, 0.3639**.

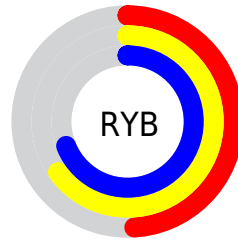
Distribution



Red (49%)

Green (69%)

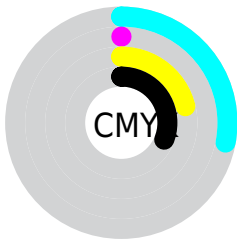
Blue (55%)



Red (49%)

Yellow (65%)

Blue (69%)

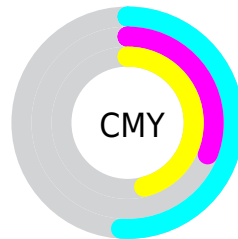


Cyan (28%)

Magenta (0%)

Yellow (21%)

Black (31%)



Cyan (51%)


Magenta (31%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9596, 0.2991, 0.3866 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 36.9596, 0.2991, 0.3866 by changing the saturation by 10% instead.

 36.9596, 0.2991,
0.3866


 36.9596, 0.2991,
0.3866


333.1356, 0.3067,
0.3556

 25.1762, 0.2969,
0.3951


 70.5106, 0.3021,
0.3748

 16.2084, 0.2939,
0.4066


 93.0471, 0.3031,
0.3705

 9.6717, 0.2894,
0.4229


 119.9367, 0.3040,
0.3670

 5.1819, 0.2824,
0.4475

151.5638, 0.3047,
0.3640

 2.3544, 0.2697,
0.4893

188.3129, 0.3053,
0.3614

 0.8023, 0.1847,
0.8153

230.5683, 0.3059,

 0.0000, 0.0000,

0.3592

0.0000

278.7144, 0.3063,
0.3573

■ 36.9596, 0.2991,
0.3866

■ 36.9596, 0.2991,
0.3866

■ 35.3908, 0.2947,
0.4114

■ 38.8085, 0.3039,
0.3639

■ 34.0838, 0.2910,
0.4380

■ 40.9455, 0.3088,
0.3436

■ 33.0252, 0.2882,
0.4657

■ 43.3841, 0.3137,
0.3256

■ 32.1989, 0.2866,
0.4934


■ 46.1355, 0.3185,
0.3097

■ 31.5863, 0.2864,
0.5198


■ 49.2104, 0.3231,
0.2959


 31.1662, 0.2878,
0.5435

 52.6188, 0.3275,
0.2839

 30.9049, 0.2903,
0.5634

 56.3706, 0.3316,
0.2734

 30.8612, 0.2908,
0.5669

 58.3261, 0.3266,
0.2624

 59.1262, 0.3166,
0.2510

Harmonies

Analogous

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



36.9596, 0.3400, 0.4029



36.9596, 0.2991, 0.3866



36.9596, 0.2634, 0.3513

Triad

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



36.9596, 0.2991, 0.3866



36.9596, 0.2517, 0.2640



36.9596, 0.3895, 0.3389

Complementary

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



36.9596, 0.2991, 0.3866



26.6480, 0.3299, 0.2776

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.



36.9596, 0.3627, 0.3063



36.9596, 0.2991, 0.3866



36.9596, 0.2820, 0.2646

Square

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



36.9596, 0.2991, 0.3866



36.9596, 0.2374, 0.2798



36.9596, 0.3225, 0.2799



36.9596, 0.3938, 0.3714

Rectangle

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



36.9596, 0.2991, 0.3866



36.9596, 0.2469, 0.3241



36.9596, 0.3225, 0.2799



36.9596, 0.3827, 0.3277

Sweetspot

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



36.9611, 0.2991, 0.3866



73.2709, 0.3087, 0.3439



39.9283, 0.3424, 0.4004



16.1515, 0.3080, 0.3467



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9611, 0.2991, 0.3866



64.2855, 0.2962, 0.4028



37.7330, 0.2814, 0.3479



8.9729, 0.3081, 0.3461



22.1088, 0.2903, 0.5650



0.6241, 0.2731, 0.5033

Inverse Universe

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



26.6480, 0.3299, 0.2776



42.5486, 0.3351, 0.2653



25.8809, 0.3576, 0.3111



8.1113, 0.3176, 0.3125



7.6656, 0.4001, 0.1978



0.2216, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 36.9596, 0.2991, 0.3866 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 36.9596, 0.2991, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

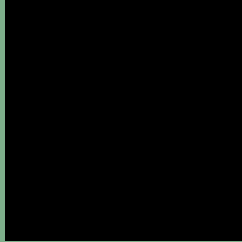
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9596, 0.2991, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 36.9596, 0.2991, 0.3866.



This preview shows how white text looks on a background with the Yxy color 36.9596, 0.2991, 0.3866.

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

36.9596, 0.2991, 0.3866

Protanopia

36.7721, 0.3498, 0.3722

Deuteranopia

36.5362, 0.3553, 0.3484



Tritanopia

36.8632, 0.2722, 0.3081

Trichromacy



Original Color

36.9596, 0.2991, 0.3866

Protanomaly

36.4546, 0.3301, 0.3772

Deuteranomaly

36.3964, 0.3323, 0.3614

Tritanomaly

36.7411, 0.2818, 0.3350

Monochromacy



Original Color

36.9596, 0.2991, 0.3866

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4161, 0.3071, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9596, 0.2991, 0.3866 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(126, 175, 139)` looks like.

```
.text, #text, p{  
    color:rgb(126, 175, 139)  
}
```

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(126, 175, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 175, 139) }
```

Border

The CSS property to change the border of an element to Yxy 36.9596, 0.2991, 0.3866 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(126, 175, 139) }
```

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

```
.border{ border-color:rgb(126, 175, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 175, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 175, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 175, 139);  
box-shadow:4px 4px 4px 4px rgb(126, 175,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9596, 0.2991, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 175, 139) }
```

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

```
.background{ background-color: rgb(126,  
175, 139) }
```

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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