

Converting Colors

$Yxy(33.6744, 0.3078, 0.3759)$

Have a look what the booklet for
Yxy(33.6744, 0.3078, 0.3759)
contains.

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Color

Yxy(33.6744, 0.3078, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	85A588
RGB	133, 165, 136
RGB Percent	52%, 65%, 53%
CMY	0.4783, 0.3529, 0.4667
CMYK	0.19, 0.00, 0.18, 0.35
HSL	126°, 15%, 58%
HSV	126°, 19%, 65%
XYZ	27.5738, 33.6744, 28.3352
YIQ	152.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

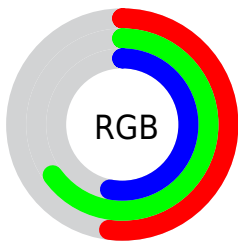
Format	Color
RYB	133, 162, 165
Decimal	8758664
CIELab	64.70, -16.86, 11.45
CIELCh	65, 20.386, 145.812
Yxy	33.6744, 0.3078, 0.3759
Android (android.graphics.Color)	4286948744 (0xFF85A588)
YUV	152.1260, -7.9501, -16.7735
Hunter-Lab	58.0296, -16.7346, 11.6701

Details

The Yxy color **33.6744, 0.3078, 0.3759** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.3900, 0.3180, 0.2862**, and the grayscale version is **31.4967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4253, 0.3095, 0.3664**, and **14.3211, 0.3059, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **32.0401, 0.3052, 0.4044**, and if you desaturate by 10%, it is **35.5820, 0.3104, 0.3503**.

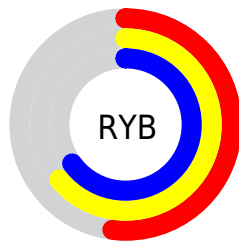
Distribution



Red (52%)

Green (65%)

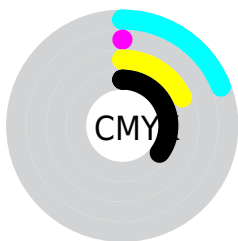
Blue (53%)



Red (52%)

Yellow (64%)

Blue (65%)

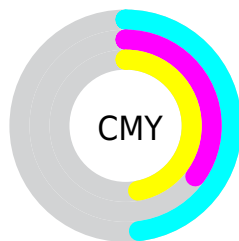


Cyan (19%)

Magenta (0%)

Yellow (18%)

Black (35%)



Cyan (48%)

Magenta (35%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6744, 0.3078, 0.3759 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 33.6744, 0.3078, 0.3759 by changing the saturation by 10% instead.


 33.6744, 0.3078,
0.3759


 33.6744, 0.3078,
0.3759


318.6778, 0.3107,
0.3505


 22.6436, 0.3069,
0.3830


 65.4270, 0.3090,
0.3661

 14.3306, 0.3055,
0.3926


 86.9176, 0.3094,
0.3626

 8.3509, 0.3035,
0.4063


 112.6636, 0.3097,
0.3597

 4.3203, 0.3000,
0.4274

143.0493, 0.3100,
0.3573

 1.8543, 0.2930,
0.4640

178.4592, 0.3102,
0.3552

 0.5207, 0.1378,
0.8622

219.2776, 0.3104,

 0.0000, 0.0000,


0.3534


0.0000

265.8890, 0.3106,
0.3519


 33.6744, 0.3078,
0.3759


 33.6744, 0.3078,
0.3759


 32.0401, 0.3052,
0.4044

 35.5820, 0.3104,
0.3503


 30.6625, 0.3027,
0.4354


 37.7700, 0.3129,
0.3277


 29.5299, 0.3004,
0.4679

 40.2508, 0.3152,
0.3079

 28.6277, 0.2986,
0.5005

 43.0345, 0.3174,
0.2908

 27.9402, 0.2975,
0.5313

 46.1310, 0.3194,
0.2761

■ 27.4494, 0.2970,
0.5580

■ 49.5495, 0.3212,
0.2633

■ 27.1343, 0.2974,
0.5786

■ 53.2990, 0.3229,
0.2523

■ 26.9550, 0.2981,
0.5923

■ 55.3902, 0.3168,
0.2412

■ 26.9456, 0.2981,
0.5930

Harmonies

Analogous

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



33.6744, 0.3393, 0.3858



33.6744, 0.3078, 0.3759



33.6744, 0.2786, 0.3512

Triad

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



33.6744, 0.3078, 0.3759



33.6744, 0.2623, 0.2795



33.6744, 0.3694, 0.3331

Complementary

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



33.6744, 0.3078, 0.3759



27.3900, 0.3180, 0.2862

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.



33.6744, 0.3467, 0.3076



33.6744, 0.3078, 0.3759



33.6744, 0.2844, 0.2775

Square

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



33.6744, 0.3078, 0.3759



33.6744, 0.2533, 0.2946



33.6744, 0.3152, 0.2877



33.6744, 0.3759, 0.3589

Rectangle

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



33.6744, 0.3078, 0.3759



33.6744, 0.2642, 0.3308



33.6744, 0.3152, 0.2877



33.6744, 0.3633, 0.3242

Sweetspot

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



33.6758, 0.3078, 0.3759



64.9502, 0.3112, 0.3426



36.3208, 0.3385, 0.3765



14.1489, 0.3111, 0.3440



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.6758, 0.3078, 0.3759



59.0704, 0.3067, 0.3871



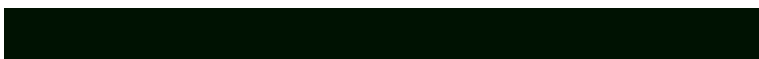
34.1549, 0.2949, 0.3501



7.9052, 0.3104, 0.3500



20.3883, 0.2978, 0.5921



0.4314, 0.2883, 0.5577

Inverse Universe

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



27.3900, 0.3180, 0.2862



45.8472, 0.3192, 0.2771



26.8664, 0.3348, 0.3089



7.1908, 0.3151, 0.3089



7.7135, 0.3452, 0.1676



0.1651, 0.3354, 0.1622

Previews

White Background



This preview shows how the Yxy color 33.6744, 0.3078, 0.3759 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 33.6744, 0.3078, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

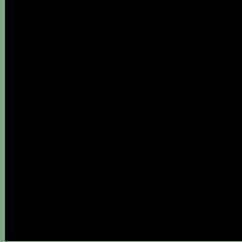
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6744, 0.3078, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 33.6744, 0.3078, 0.3759.



This preview shows how white text looks on a background with the Yxy color 33.6744, 0.3078, 0.3759.

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

33.6744, 0.3078, 0.3759

Protanopia

33.4422, 0.3445, 0.3650

Deuteranopia

33.4623, 0.3527, 0.3463



Tritanopia

33.6477, 0.2827, 0.3092

Trichromacy



Original Color

33.6744, 0.3078, 0.3759

Protanomaly

33.2620, 0.3305, 0.3693

Deuteranomaly

33.2933, 0.3356, 0.3561

Tritanomaly

33.6971, 0.2915, 0.3321

Monochromacy



Original Color

33.6744, 0.3078, 0.3759

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2090, 0.3109, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6744, 0.3078, 0.3759 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, 165, 136)` looks like.

```
.text, #text, p{  
    color:rgb(133, 165, 136)  
}
```

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, 165, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 165, 136) }
```

Border

The CSS property to change the border of an element to Yxy 33.6744, 0.3078, 0.3759 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, 165, 136) }
```

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

```
.border{ border-color:rgb(133, 165, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 165, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 165, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 165, 136);  
box-shadow:4px 4px 4px 4px rgb(133, 165,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6744, 0.3078, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 165, 136) }
```

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

```
.background{ background-color: rgb(133,  
165, 136) }
```

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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