

Converting Colors

$Yxy(33.4500, 0.2993, 0.4153)$

Have a look what the booklet for
Yxy(33.4500, 0.2993, 0.4153)
contains.

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Color

Yxy(33.3567, 0.2995, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	6DAA78
RGB	109, 170, 120
RGB Percent	43%, 67%, 47%
CMY	0.5727, 0.3333, 0.5295
CMYK	0.36, 0.00, 0.29, 0.33
HSL	131°, 26%, 55%
HSV	131°, 36%, 67%
XYZ	24.0673, 33.3567, 22.9342
YIQ	146.0610, -20.3060, -28.4820

Conversions

Conversions Part 2

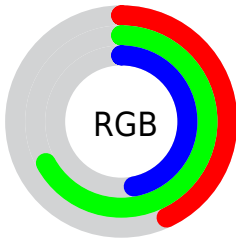
Format	Color
RYB	109, 161, 170
Decimal	7187064
CIELab	64.45, -30.44, 19.71
CIELCh	64, 36.260, 147.078
Yxy	33.3567, 0.2995, 0.4151
Android (android.graphics.Color)	4285377144 (0xFF6DAA78)
YUV	146.0610, -12.8481, -32.5025
Hunter-Lab	57.7553, -26.6887, 16.8850

Details

The Yxy color **33.3567, 0.2995, 0.4151** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.9794, 0.3298, 0.2561**, and the grayscale version is **28.8277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1964, 0.3029, 0.3963**, and **14.0771, 0.2933, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **32.0686, 0.2964, 0.4443**, and if you desaturate by 10%, it is **34.9053, 0.3030, 0.3878**.

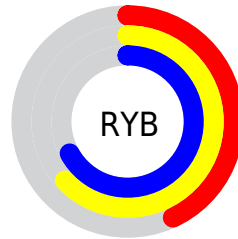
Distribution



Red (43%)

Green (67%)

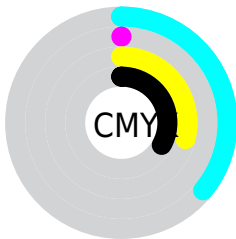
Blue (47%)



Red (43%)

Yellow (63%)

Blue (67%)

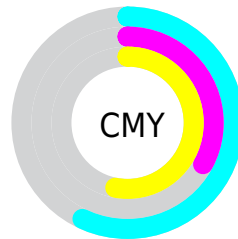


Cyan (36%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (57%)


Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3567, 0.2995, 0.4151 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 33.3567, 0.2995, 0.4151 by changing the saturation by 10% instead.


 33.3567, 0.2995,
0.4151


 33.3567, 0.2995,
0.4151


317.2540, 0.3076,
0.3675


 22.3998, 0.2968,
0.4287


 64.9320, 0.3029,
0.3966


 14.1510, 0.2929,
0.4474


 86.3193, 0.3040,
0.3900

 8.2258, 0.2868,
0.4743

 111.9521, 0.3049,
0.3846

 4.2397, 0.2760,
0.5164

 142.2150, 0.3057,
0.3800

 1.8086, 0.2635,
0.6131

177.4922, 0.3063,
0.3762

 0.4925, 0.0000,
1.0000

218.1681, 0.3068,

 0.0000, 0.0000,

0.3729

0.0000

264.6273, 0.3073,
0.3700

■ 33.3567, 0.2995,
0.4151

■ 33.3567, 0.2995,
0.4151

■ 32.0686, 0.2964,
0.4443

■ 34.9053, 0.3030,
0.3878

■ 31.0227, 0.2939,
0.4746

■ 36.7234, 0.3068,
0.3630

■ 30.2047, 0.2924,
0.5046


■ 38.8244, 0.3105,
0.3409


■ 29.5972, 0.2919,
0.5326


■ 41.2199, 0.3142,
0.3213

■ 29.1803, 0.2927,
0.5569


■ 43.9207, 0.3178,
0.3042


 28.9282, 0.2945,
0.5760

 46.9371, 0.3211,
0.2894

 28.8509, 0.2951,
0.5823

 50.2788, 0.3242,
0.2765

 53.9551, 0.3271,
0.2654

 56.6286, 0.3242,
0.2544

Harmonies

Analogous

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



33.3567, 0.3550, 0.4324



33.3567, 0.2995, 0.4151



33.3567, 0.2502, 0.3665

Triad

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



33.3567, 0.2995, 0.4151



33.3567, 0.2271, 0.2428



33.3567, 0.4158, 0.3349

Complementary

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



33.3567, 0.2995, 0.4151



21.9794, 0.3298, 0.2561

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.



33.3567, 0.3751, 0.2930



33.3567, 0.2995, 0.4151



33.3567, 0.2644, 0.2420

Square

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



33.3567, 0.2995, 0.4151



33.3567, 0.2114, 0.2651



33.3567, 0.3181, 0.2601



33.3567, 0.4250, 0.3788

Rectangle

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



33.3567, 0.2995, 0.4151



33.3567, 0.2270, 0.3276



33.3567, 0.3181, 0.2601



33.3567, 0.4052, 0.3203

Sweetspot

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



33.3581, 0.2995, 0.4151



68.3509, 0.3085, 0.3522



37.3136, 0.3554, 0.4197



15.1327, 0.3080, 0.3552



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.



33.3581, 0.2995, 0.4151



58.6370, 0.2970, 0.4380



34.1935, 0.2774, 0.3627



8.4290, 0.3093, 0.3480



21.2262, 0.2947, 0.5808



0.5226, 0.2797, 0.5268

Inverse Universe

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



21.9794, 0.3298, 0.2561



34.9338, 0.3345, 0.2406



21.0699, 0.3683, 0.2981



7.6430, 0.3164, 0.3107



7.6718, 0.3716, 0.1821



0.1925, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 33.3567, 0.2995, 0.4151 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 33.3567, 0.2995, 0.4151 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 33.3567, 0.2995, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 33.3567, 0.2995, 0.4151.



This preview shows how white text looks on a background with the Yxy color 33.3567, 0.2995, 0.4151.

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

33.3567, 0.2995, 0.4151

Protanopia

32.8504, 0.3654, 0.3918

Deuteranopia

32.7739, 0.3722, 0.3648



Tritanopia

33.3220, 0.2656, 0.3085

Trichromacy



Original Color

33.3567, 0.2995, 0.4151

Protanomaly

32.5136, 0.3386, 0.3993

Deuteranomaly

32.5126, 0.3424, 0.3819

Tritanomaly

33.3857, 0.2775, 0.3452

Monochromacy



Original Color

33.3567, 0.2995, 0.4151

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.2354, 0.3074, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3567, 0.2995, 0.4151 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(109, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(109, 170, 120)  
}
```

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(109, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 170, 120) }
```

Border

The CSS property to change the border of an element to Yxy 33.3567, 0.2995, 0.4151 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(109, 170, 120) }
```

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

```
.border{ border-color:rgb(109, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(109, 170,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3567, 0.2995, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 170, 120) }
```

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

```
.background{ background-color: rgb(109,  
170, 120) }
```

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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