

Converting Colors

$Yxy(33.1760, 0.3301, 0.4090)$

Have a look what the booklet for
Yxy(33.1760, 0.3301, 0.4090)
contains.

Yxy(33.1920, 0.3305, 0.4085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.1920, 0.3305, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	8AA473
RGB	138, 164, 115
RGB Percent	54%, 64%, 45%
CMY	0.4587, 0.3569, 0.5491
CMYK	0.16, 0.00, 0.30, 0.36
HSL	92°, 21%, 55%
HSV	92°, 30%, 64%
XYZ	26.8542, 33.1920, 21.2071
YIQ	150.6400, 0.2330, -20.7510

Conversions

Conversions Part 2

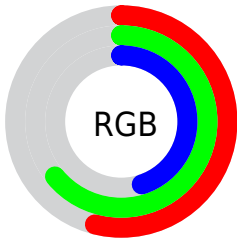
Format	Color
R_{YB}	115, 164, 141
Decimal	9086067
CIE Lab	64.32, -18.10, 22.54
CIE LCh	64, 28.910, 128.758
Yxy	33.1920, 0.3305, 0.4085
Android (android.graphics.Color)	4287276147 (0xFF8AA473)
YUV	150.6400, -17.5705, -11.0853
Hunter-Lab	57.6125, -17.6198, 18.5041

Details

The Yxy color **33.1920, 0.3305, 0.4085** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.5981, 0.2895, 0.2504**, and the grayscale version is **30.8643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6595, 0.3278, 0.3921**, and **14.0079, 0.3345, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **32.1369, 0.3355, 0.4381**, and if you desaturate by 10%, it is **34.3765, 0.3248, 0.3800**.

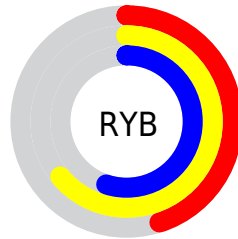
Distribution



Red (54%)

Green (64%)

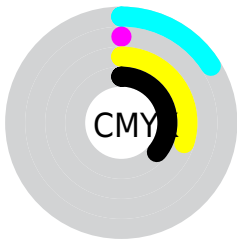
Blue (45%)



Red (45%)

Yellow (64%)

Blue (55%)

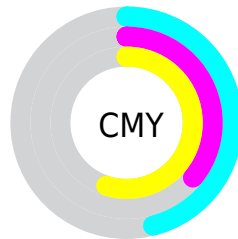


Cyan (16%)

Magenta (0%)

Yellow (30%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1920, 0.3305, 0.4085 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 33.1920, 0.3305, 0.4085 by changing the saturation by 10% instead.


 33.1920, 0.3305,
0.4085


 33.1920, 0.3305,
0.4085


316.5140, 0.3220,
0.3651

 22.2736, 0.3323,
0.4206


 64.6752, 0.3276,
0.3918


 14.0581, 0.3345,
0.4369


 86.0087, 0.3264,
0.3858

 8.1611, 0.3367,
0.4601


 111.5827, 0.3254,
0.3809

 4.1982, 0.3384,
0.4952

 141.7816, 0.3246,
0.3767

 1.7850, 0.3593,
0.5912

176.9898, 0.3238,
0.3732

 0.4778, 0.0252,
0.9748

217.5917, 0.3231,

 0.0000, 0.0000,

0.3701

0.0000

263.9716, 0.3225,
0.3675

■ 33.1920, 0.3305,
0.4085

■ 33.1920, 0.3305,
0.4085

■ 32.1369, 0.3355,
0.4381

■ 34.3765, 0.3248,
0.3800

■ 31.2019, 0.3395,
0.4678

■ 35.6906, 0.3188,
0.3533

■ 30.3831, 0.3420,
0.4965


■ 37.1402, 0.3126,
0.3287


■ 29.6748, 0.3427,
0.5226


■ 38.7295, 0.3066,
0.3064

■ 29.0704, 0.3414,
0.5445


■ 40.4623, 0.3008,
0.2862

 28.5626, 0.3380,
0.5613


 42.3426, 0.2952,
0.2682

 28.1367, 0.3333,
0.5735

 44.3738, 0.2900,
0.2521

 28.1321, 0.3332,
0.5736

 46.5596, 0.2852,
0.2378

 48.4049, 0.2858,
0.2317

Harmonies

Analogous

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



33.1920, 0.3720, 0.4067



33.1920, 0.3305, 0.4085



33.1920, 0.2861, 0.3838

Triad

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



33.1920, 0.3305, 0.4085



33.1920, 0.2328, 0.2686



33.1920, 0.3775, 0.3131

Complementary

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



33.1920, 0.3305, 0.4085



20.5981, 0.2895, 0.2504

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.



33.1920, 0.3357, 0.2821



33.1920, 0.3305, 0.4085



33.1920, 0.2532, 0.2565

Square

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



33.1920, 0.3305, 0.4085



33.1920, 0.2318, 0.2985



33.1920, 0.2900, 0.2618



33.1920, 0.4010, 0.3492

Rectangle

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



33.1920, 0.3305, 0.4085



33.1920, 0.2608, 0.3564



33.1920, 0.2900, 0.2618



33.1920, 0.3650, 0.3019

Sweetspot

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



33.1934, 0.3305, 0.4085



64.9663, 0.3183, 0.3515



27.9767, 0.3664, 0.3683



14.1268, 0.3192, 0.3551



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.



33.1934, 0.3305, 0.4085



58.9263, 0.3340, 0.4285



31.4506, 0.3081, 0.4126



8.0506, 0.3184, 0.3517



21.5990, 0.3339, 0.5731



0.4819, 0.3636, 0.5495

Inverse Universe

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



20.5981, 0.2895, 0.2504



32.2403, 0.2827, 0.2309



22.8020, 0.3170, 0.2576



7.0360, 0.3066, 0.3063



3.6335, 0.2101, 0.0931



0.1042, 0.2502, 0.1152

Previews

White Background



This preview shows how the Yxy color 33.1920, 0.3305, 0.4085 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 33.1920, 0.3305, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

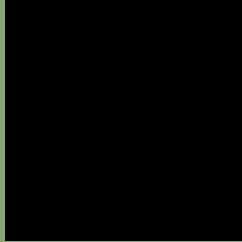
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1920, 0.3305, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 33.1920, 0.3305, 0.4085.



This preview shows how white text looks on a background with the Yxy color 33.1920, 0.3305, 0.4085.

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

33.1920, 0.3305, 0.4085

Protanopia

32.9152, 0.3685, 0.3945

Deuteranopia

32.8702, 0.3806, 0.3730



Tritanopia

33.0895, 0.2919, 0.3109

Trichromacy



Original Color

33.1920, 0.3305, 0.4085

Protanomaly

32.7917, 0.3545, 0.4000

Deuteranomaly

32.6110, 0.3620, 0.3845

Tritanomaly

33.1512, 0.3062, 0.3462

Monochromacy



Original Color

33.1920, 0.3305, 0.4085

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.7229, 0.3193, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1920, 0.3305, 0.4085 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(138, 164, 115)` looks like.

```
.text, #text, p{  
    color:rgb(138, 164, 115)  
}
```

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(138, 164, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 164, 115) }
```

Border

The CSS property to change the border of an element to Yxy 33.1920, 0.3305, 0.4085 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(138, 164, 115) }
```

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

```
.border{ border-color:rgb(138, 164, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 164, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 164, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 164, 115);  
box-shadow:4px 4px 4px 4px rgb(138, 164,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1920, 0.3305, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 164, 115) }
```

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

```
.background{ background-color: rgb(138,  
164, 115) }
```

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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