

Converting Colors

$Y_{xy}(33.7030, 0.2788, 0.4085)$

Have a look what the booklet for
Yxy(33.7030, 0.2788, 0.4085)
contains.

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Color

Yxy(33.5204, 0.2786, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	58AD80
RGB	88, 173, 128
RGB Percent	35%, 68%, 50%
CMY	0.6548, 0.3216, 0.4980
CMYK	0.49, 0.00, 0.26, 0.32
HSL	148°, 34%, 51%
HSV	148°, 49%, 68%
XYZ	22.8668, 33.5204, 25.6902
YIQ	142.4550, -36.2150, -32.0150

Conversions

Conversions Part 2

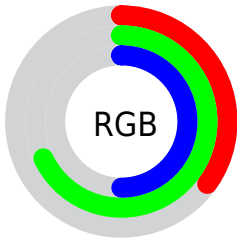
Format	Color
RYB	88, 146, 173
Decimal	5811584
CIELab	64.58, -36.35, 15.35
CIELCh	65, 39.459, 157.113
Yxy	33.5204, 0.2786, 0.4084
Android (android.graphics.Color)	4284001664 (0xFF58AD80)
YUV	142.4550, -7.1263, -47.7570
Hunter-Lab	57.8968, -30.8196, 14.2194

Details

The Yxy color **33.5204, 0.2786, 0.4084** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.5622, 0.3737, 0.2629**, and the grayscale version is **27.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2145, 0.2861, 0.3912**, and **14.2735, 0.2655, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **32.5446, 0.2743, 0.4283**, and if you desaturate by 10%, it is **34.7211, 0.2842, 0.3895**.

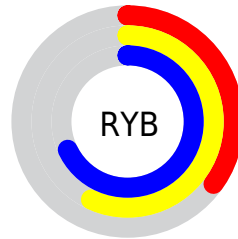
Distribution



Red (35%)

Green (68%)

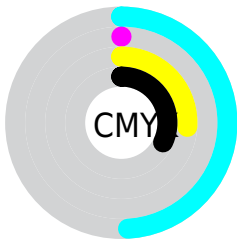
Blue (50%)



Red (35%)

Yellow (57%)

Blue (68%)

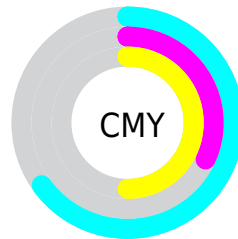


Cyan (49%)

Magenta (0%)

Yellow (26%)

Black (32%)



Cyan (65%)


Magenta (32%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5204, 0.2786, 0.4084 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 33.5204, 0.2786, 0.4084 by changing the saturation by 10% instead.

 33.5204, 0.2786,
0.4084

 33.5204, 0.2786,
0.4084


317.9882, 0.2976,
0.3645


 22.5254, 0.2731,
0.4210


 65.1872, 0.2860,
0.3913

 14.2435, 0.2656,
0.4382


 86.6277, 0.2886,
0.3853

 8.2902, 0.2547,
0.4632


 112.3189, 0.2908,
0.3803

 4.2812, 0.2374,
0.5024

 142.6451, 0.2926,
0.3761

 1.8321, 0.2044,
0.5792

177.9908, 0.2941,
0.3725

 0.5070, 0.0000,
1.0000

218.7402, 0.2954,

 0.0000, 0.0000,

0.3695

0.0000

265.2779, 0.2966,
0.3668

■ 33.5204, 0.2786,
0.4084

■ 33.5204, 0.2786,
0.4084

■ 32.5446, 0.2743,
0.4283

■ 34.7211, 0.2842,
0.3895

■ 31.7745, 0.2717,
0.4489

■ 36.1561, 0.2907,
0.3718

■ 31.1947, 0.2709,
0.4694


■ 37.8391, 0.2980,
0.3556


■ 30.7854, 0.2720,
0.4893

■ 39.7818, 0.3056,
0.3410


■ 30.5092, 0.2747,
0.5081


■ 41.9949, 0.3134,
0.3279

 30.4870, 0.2749,
0.5097

 44.4885, 0.3212,
0.3163

 47.2723, 0.3289,
0.3060

 50.3555, 0.3363,
0.2970

 53.7468, 0.3435,
0.2892

Harmonies

Analogous

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



33.5204, 0.3381, 0.4401



33.5204, 0.2786, 0.4084



33.5204, 0.2312, 0.3482

Triad

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



33.5204, 0.2786, 0.4084



33.5204, 0.2313, 0.2334



33.5204, 0.4322, 0.3506

Complementary

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



33.5204, 0.2786, 0.4084



17.5622, 0.3737, 0.2629

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.



33.5204, 0.3983, 0.3042



33.5204, 0.2786, 0.4084



33.5204, 0.2782, 0.2399

Square

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



33.5204, 0.2786, 0.4084



33.5204, 0.2066, 0.2490



33.5204, 0.3397, 0.2651



33.5204, 0.4293, 0.3968

Rectangle

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



33.5204, 0.2786, 0.4084



33.5204, 0.2118, 0.3068



33.5204, 0.3397, 0.2651



33.5204, 0.4248, 0.3347

Sweetspot

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



33.5218, 0.2786, 0.4084



69.0537, 0.3009, 0.3498



35.6067, 0.3444, 0.4639



14.8576, 0.2993, 0.3528



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.



33.5218, 0.2786, 0.4084



58.1453, 0.2740, 0.4302



34.8716, 0.2509, 0.3335



8.9997, 0.3055, 0.3413



22.4089, 0.2744, 0.5078



0.6345, 0.2581, 0.4491

Inverse Universe

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



17.5622, 0.3737, 0.2629



26.1785, 0.3944, 0.2505



16.6212, 0.4423, 0.3252



8.0836, 0.3207, 0.3171



7.1009, 0.4803, 0.2420



0.2085, 0.4200, 0.2087

Previews

White Background



This preview shows how the Yxy color 33.5204, 0.2786, 0.4084 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 33.5204, 0.2786, 0.4084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

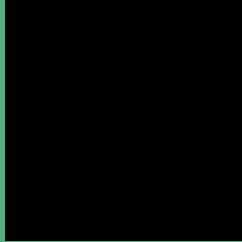
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5204, 0.2786, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 33.5204, 0.2786, 0.4084.

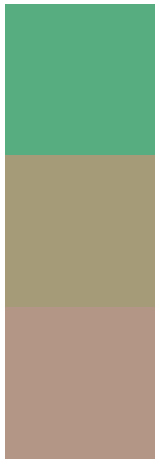


This preview shows how white text looks on a background with the Yxy color 33.5204, 0.2786, 0.4084.

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

33.5204, 0.2786, 0.4084

Protanopia

32.9057, 0.3576, 0.3816

Deuteranopia

33.0899, 0.3603, 0.3534



Tritanopia

33.3925, 0.2511, 0.3065

Trichromacy



Original Color

33.5204, 0.2786, 0.4084



Protanomaly

32.6740, 0.3239, 0.3924



Deuteranomaly

32.2034, 0.3254, 0.3719



Tritanomaly

33.4905, 0.2610, 0.3422

Monochromacy



Original Color

33.5204, 0.2786, 0.4084



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.7262, 0.2969, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5204, 0.2786, 0.4084 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(88, 173, 128)` looks like.

```
.text, #text, p{  
    color:rgb(88, 173, 128)  
}
```

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(88, 173, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 173, 128) }
```

Border

The CSS property to change the border of an element to Yxy 33.5204, 0.2786, 0.4084 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(88, 173, 128) }
```

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

```
.border{ border-color:rgb(88, 173, 128) }
```

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

Here you see how a box with a 4 pixel rgb(88, 173, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 173, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 173, 128);  
box-shadow:4px 4px 4px 4px rgb(88, 173,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5204, 0.2786, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 173, 128) }
```

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

```
.background{ background-color: rgb(88, 173,  
128) }
```

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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