

Converting Colors

$Yxy(33.6170, 0.2708, 0.4214)$

Have a look what the booklet for
Yxy(33.6170, 0.2708, 0.4214)
contains.

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Color

Yxy(33.8080, 0.2713, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	46B07C
RGB	70, 176, 124
RGB Percent	27%, 69%, 49%
CMY	0.7255, 0.3098, 0.5138
CMYK	0.60, 0.00, 0.30, 0.31
HSL	151°, 43%, 48%
HSV	151°, 60%, 69%
XYZ	21.6886, 33.8080, 24.4466
YIQ	138.3780, -46.4840, -38.6440

Conversions

Conversions Part 2

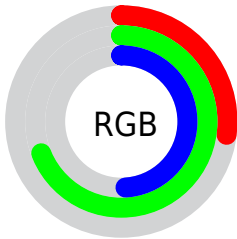
Format	Color
RYB	70, 140, 176
Decimal	4632700
CIELab	64.81, -42.78, 17.77
CIELCh	65, 46.322, 157.443
Yxy	33.8080, 0.2713, 0.4229
Android (android.graphics.Color)	4282822780 (0xFF46B07C)
YUV	138.3780, -7.0884, -59.9675
Hunter-Lab	58.1446, -35.1706, 15.7730

Details

The Yxy color **33.8080, 0.2713, 0.4229** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.0170, 0.4022, 0.2558**, and the grayscale version is **25.6091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4767, 0.2803, 0.4017**, and **14.4271, 0.2599, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **33.0389, 0.2686, 0.4419**, and if you desaturate by 10%, it is **34.7907, 0.2757, 0.4044**.

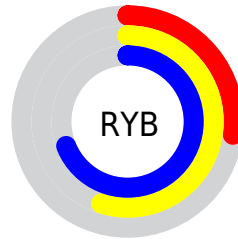
Distribution



Red (27%)

Green (69%)

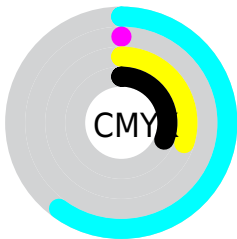
Blue (49%)



Red (27%)

Yellow (55%)

Blue (69%)

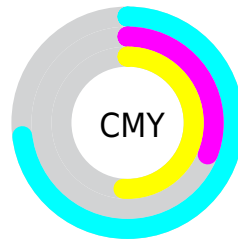


Cyan (60%)

Magenta (0%)

Yellow (30%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8080, 0.2713, 0.4229 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 33.8080, 0.2713, 0.4229 by changing the saturation by 10% instead.


 33.8080, 0.2713,
0.4229


 33.8080, 0.2713,
0.4229


319.2751, 0.2944,
0.3707

 22.7461, 0.2646,
0.4379


 65.6350, 0.2803,
0.4025


 14.4062, 0.2554,
0.4586


 87.1689, 0.2835,
0.3953


 8.4037, 0.2419,
0.4886


 112.9623, 0.2862,
0.3894

 4.3543, 0.2207,
0.5357

 143.3995, 0.2884,
0.3844

 1.8737, 0.1754,
0.6394

 178.8650, 0.2902,
0.3802

 0.5325, 0.0000,
1.0000

219.7432, 0.2918,

 0.0000, 0.0000,

0.3766

0.0000

266.4184, 0.2932,
0.3734

■ 33.8080, 0.2713,
0.4229

■ 33.8080, 0.2713,
0.4229

■ 33.0389, 0.2686,
0.4419

■ 34.7907, 0.2757,
0.4044

■ 32.4616, 0.2677,
0.4610

■ 35.9988, 0.2815,
0.3868

■ 32.0565, 0.2688,
0.4796

■ 37.4475, 0.2884,
0.3704

■ 31.7842, 0.2714,
0.4970

■ 39.1500, 0.2961,
0.3552

■ 41.1183, 0.3042,
0.3416

■ 43.3635, 0.3125,
0.3293

■ 45.8963, 0.3209,
0.3183

■ 48.7266, 0.3292,
0.3087

■ 51.8639, 0.3373,
0.3002

Harmonies

Analogous

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



33.8080, 0.3398, 0.4604



33.8080, 0.2713, 0.4229



33.8080, 0.2176, 0.3500

Triad

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



33.8080, 0.2713, 0.4229



33.8080, 0.2194, 0.2193



33.8080, 0.4527, 0.3524

Complementary

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



33.8080, 0.2713, 0.4229



15.0170, 0.4022, 0.2558

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.



33.8080, 0.4136, 0.3001



33.8080, 0.2713, 0.4229



33.8080, 0.2728, 0.2273

Square

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



33.8080, 0.2713, 0.4229



33.8080, 0.1914, 0.2357



33.8080, 0.3444, 0.2560



33.8080, 0.4475, 0.4055

Rectangle

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



33.8080, 0.2713, 0.4229



33.8080, 0.1963, 0.3010



33.8080, 0.3444, 0.2560



33.8080, 0.4443, 0.3345

Sweetspot

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



33.8094, 0.2713, 0.4229



71.6460, 0.2976, 0.3525



35.7057, 0.3450, 0.4967



15.3199, 0.2953, 0.3566



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.



33.8094, 0.2713, 0.4229



59.5657, 0.2681, 0.4477



35.4892, 0.2398, 0.3288



9.5599, 0.3049, 0.3404



23.3314, 0.2709, 0.4952



0.7459, 0.2568, 0.4444

Inverse Universe

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



15.0170, 0.4022, 0.2558



22.4916, 0.4329, 0.2468



14.0536, 0.4972, 0.3295



8.5725, 0.3213, 0.3179



7.2814, 0.4967, 0.2510



0.2409, 0.4353, 0.2172

Previews

White Background



This preview shows how the Yxy color 33.8080, 0.2713, 0.4229 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 33.8080, 0.2713, 0.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

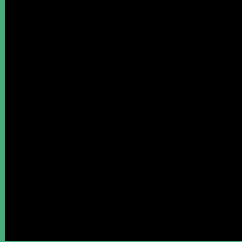
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8080, 0.2713, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 33.8080, 0.2713, 0.4229.



This preview shows how white text looks on a background with the Yxy color 33.8080, 0.2713, 0.4229.

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

33.8080, 0.2713, 0.4229

Protanopia

33.3396, 0.3642, 0.3900

Deuteranopia

33.1277, 0.3645, 0.3577



Tritanopia

33.8772, 0.2432, 0.3079

Trichromacy



Original Color

33.8080, 0.2713, 0.4229

Protanomaly

32.4079, 0.3222, 0.4035

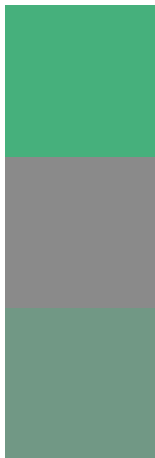
Deuteranomaly

31.9302, 0.3220, 0.3792

Tritanomaly

33.8721, 0.2530, 0.3474

Monochromacy



Original Color

33.8080, 0.2713, 0.4229

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.6606, 0.2919, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8080, 0.2713, 0.4229 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(70, 176, 124)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 124)  
}
```

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(70, 176, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 124) }
```

Border

The CSS property to change the border of an element to Yxy 33.8080, 0.2713, 0.4229 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(70, 176, 124) }
```

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

```
.border{ border-color:rgb(70, 176, 124) }
```

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

Here you see how a box with a 4 pixel rgb(70, 176, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 124);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8080, 0.2713, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 124) }
```

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

```
.background{ background-color: rgb(70, 176,  
124) }
```

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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