

Converting Colors

$Yxy(34.0175, 0.2748, 0.4359)$

Have a look what the booklet for
Yxy(34.0175, 0.2748, 0.4359)
contains.

Yxy(34.0175, 0.2748, 0.4359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0175, 0.2748, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	45B176
RGB	69, 177, 118
RGB Percent	27%, 69%, 46%
CMY	0.7295, 0.3059, 0.5372
CMYK	0.61, 0.00, 0.33, 0.31
HSL	147°, 44%, 48%
HSV	147°, 61%, 69%
XYZ	21.4453, 34.0175, 22.5769
YIQ	137.9820, -45.4290, -41.2450

Conversions

Conversions Part 2

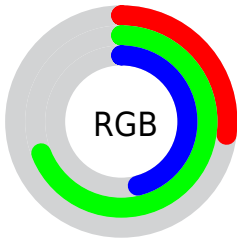
Format	Color
RYB	69, 143, 177
Decimal	4567414
CIELab	64.98, -44.64, 21.24
CIELCh	65, 49.438, 154.558
Yxy	34.0175, 0.2748, 0.4359
Android (android.graphics.Color)	4282757494 (0xFF45B176)
YUV	137.9820, -9.8511, -60.4972
Hunter-Lab	58.3245, -36.4354, 17.8766

Details

The Yxy color **34.0175, 0.2748, 0.4359** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.1590, 0.3935, 0.2470**, and the grayscale version is **25.4581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6921, 0.2836, 0.4127**, and **14.5956, 0.2651, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **33.2473, 0.2726, 0.4571**, and if you desaturate by 10%, it is **35.0070, 0.2786, 0.4151**.

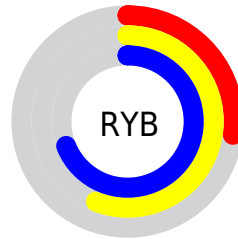
Distribution



Red (27%)

Green (69%)

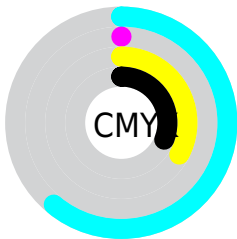
Blue (46%)



Red (27%)

Yellow (56%)

Blue (69%)

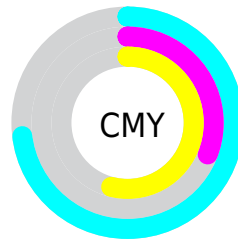


Cyan (61%)

Magenta (0%)

Yellow (33%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0175, 0.2748, 0.4359 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 34.0175, 0.2748, 0.4359 by changing the saturation by 10% instead.


 34.0175, 0.2748,
0.4359


 34.0175, 0.2748,
0.4359


320.2101, 0.2965,
0.3762


 22.9070, 0.2683,
0.4532


 65.9609, 0.2834,
0.4125


 14.5249, 0.2593,
0.4769


 87.5626, 0.2864,
0.4043


 8.4866, 0.2459,
0.5113


 113.4302, 0.2889,
0.3975

 4.4079, 0.2242,
0.5653

 143.9480, 0.2909,
0.3919

 1.9042, 0.1793,
0.7025

 179.5006, 0.2926,
0.3871

 0.5509, 0.0000,
1.0000

220.4722, 0.2941,

 0.0000, 0.0000,

0.3829

0.0000

267.2472, 0.2953,
0.3794

■ 34.0175, 0.2748,
0.4359

■ 34.0175, 0.2748,
0.4359

■ 33.2473, 0.2726,
0.4571

■ 35.0070, 0.2786,
0.4151

■ 32.6739, 0.2723,
0.4782

■ 36.2280, 0.2838,
0.3952

■ 32.2768, 0.2739,
0.4984

■ 37.6965, 0.2901,
0.3767

■ 32.0305, 0.2765,
0.5154

■ 39.4258, 0.2970,
0.3596

■ 41.4285, 0.3044,
0.3442

■ 43.7161, 0.3119,
0.3303

■ 46.2995, 0.3195,
0.3181

■ 49.1890, 0.3270,
0.3072

■ 52.3946, 0.3343,
0.2977

Harmonies

Analogous

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



34.0175, 0.3477, 0.4703



34.0175, 0.2748, 0.4359



34.0175, 0.2161, 0.3590

Triad

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



34.0175, 0.2748, 0.4359



34.0175, 0.2100, 0.2137



34.0175, 0.4597, 0.3473

Complementary

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



34.0175, 0.2748, 0.4359



15.1590, 0.3935, 0.2470

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.



34.0175, 0.4140, 0.2931



34.0175, 0.2748, 0.4359



34.0175, 0.2637, 0.2200

Square

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



34.0175, 0.2748, 0.4359



34.0175, 0.1835, 0.2331



34.0175, 0.3385, 0.2482



34.0175, 0.4580, 0.4036

Rectangle

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



34.0175, 0.2748, 0.4359



34.0175, 0.1920, 0.3056



34.0175, 0.3385, 0.2482



34.0175, 0.4494, 0.3287

Sweetspot

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



34.0189, 0.2748, 0.4359



71.5333, 0.2990, 0.3553



36.4954, 0.3501, 0.4961



15.2923, 0.2969, 0.3598



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.



34.0189, 0.2748, 0.4359



59.1738, 0.2723, 0.4640



35.6741, 0.2422, 0.3377



9.5521, 0.3056, 0.3417



23.2176, 0.2759, 0.5134



0.7423, 0.2606, 0.4583

Inverse Universe

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



15.1590, 0.3935, 0.2470



22.4970, 0.4206, 0.2367



14.1006, 0.4917, 0.3224



8.5803, 0.3205, 0.3166



7.4055, 0.4737, 0.2383



0.2446, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 34.0175, 0.2748, 0.4359 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 34.0175, 0.2748, 0.4359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

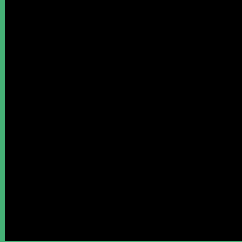
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0175, 0.2748, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 34.0175, 0.2748, 0.4359.



This preview shows how white text looks on a background with the Yxy color 34.0175, 0.2748, 0.4359.

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

34.0175, 0.2748, 0.4359

Protanopia

33.3161, 0.3710, 0.3986

Deuteranopia

33.3352, 0.3740, 0.3659



Tritanopia

33.9187, 0.2426, 0.3064

Trichromacy



Original Color

34.0175, 0.2748, 0.4359



Protanomaly

32.7073, 0.3281, 0.4148



Deuteranomaly

32.2975, 0.3292, 0.3903



Tritanomaly

33.8021, 0.2542, 0.3509

Monochromacy



Original Color

34.0175, 0.2748, 0.4359



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.6059, 0.2937, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0175, 0.2748, 0.4359 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(69, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(69, 177, 118)  
}
```

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(69, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 177, 118) }
```

Border

The CSS property to change the border of an element to Yxy 34.0175, 0.2748, 0.4359 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(69, 177, 118) }
```

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

```
.border{ border-color:rgb(69, 177, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 177, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(69, 177,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0175, 0.2748, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 177, 118) }
```

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

```
.background{ background-color: rgb(69, 177,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor