

Converting Colors

$Y_{xy}(34.2599, 0.2743, 0.4407)$

Have a look what the booklet for
Yxy(34.2599, 0.2743, 0.4407)
contains.

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Color

Yxy(34.2600, 0.2748, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	42B274
RGB	66, 178, 116
RGB Percent	26%, 70%, 45%
CMY	0.7408, 0.3020, 0.5451
CMYK	0.63, 0.00, 0.35, 0.30
HSL	147°, 46%, 48%
HSV	147°, 63%, 70%
XYZ	21.3242, 34.2600, 22.0149
YIQ	137.4440, -46.8500, -43.0260

Conversions

Conversions Part 2

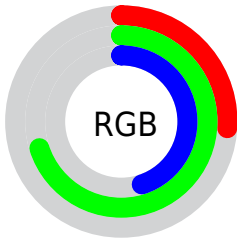
Format	Color
RYB	66, 143, 178
Decimal	4371060
CIELab	65.17, -46.04, 22.56
CIELCh	65, 51.274, 153.897
Yxy	34.2600, 0.2748, 0.4415
Android (android.graphics.Color)	4282561140 (0xFF42B274)
YUV	137.4440, -10.5719, -62.6564
Hunter-Lab	58.5320, -37.4005, 18.6725

Details

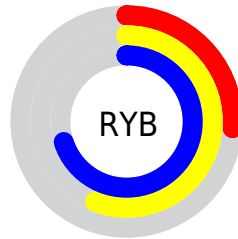
The Yxy color **34.2600, 0.2748, 0.4415** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.9314, 0.3957, 0.2440**, and the grayscale version is **25.2568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6038, 0.2839, 0.4180**, and **14.8206, 0.2671, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **33.5181, 0.2730, 0.4631**, and if you desaturate by 10%, it is **35.2215, 0.2783, 0.4203**.

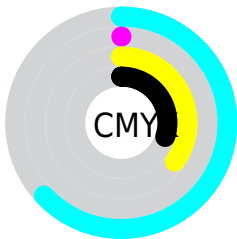
Distribution



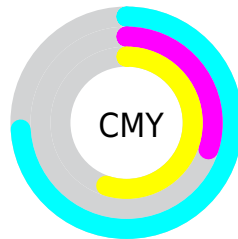
- Red (26%)
- Green (70%)
- Blue (45%)



- Red (26%)
- Yellow (56%)
- Blue (70%)



- Cyan (63%)
- Magenta (0%)
- Yellow (35%)
- Black (30%)



- Cyan (74%)
- Magenta (30%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2600, 0.2748, 0.4415 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 34.2600, 0.2748, 0.4415 by changing the saturation by 10% instead.


 34.2600, 0.2748,
0.4415


 34.2600, 0.2748,
0.4415


321.2898, 0.2966,
0.3786


 23.0934, 0.2682,
0.4597


 66.3378, 0.2835,
0.4169


 14.6625, 0.2590,
0.4847


 88.0178, 0.2865,
0.4082

 8.5829, 0.2452,
0.5209

 113.9710, 0.2890,
0.4011

 4.4701, 0.2229,
0.5775

 144.5819, 0.2910,
0.3951

 1.9399, 0.1773,
0.7284

 180.2348, 0.2928,
0.3900

 0.5722, 0.0000,
1.0000

221.3142, 0.2942,

 0.0000, 0.0000,

0.3857

0.0000

268.2044, 0.2955,
0.3819

■ 34.2600, 0.2748,
0.4415

■ 34.2600, 0.2748,
0.4415

■ 33.5181, 0.2730,
0.4631

■ 35.2215, 0.2783,
0.4203

■ 32.9723, 0.2731,
0.4843

■ 36.4152, 0.2832,
0.3999

■ 32.6010, 0.2751,
0.5044

■ 37.8578, 0.2892,
0.3808

■ 32.4094, 0.2772,
0.5180

■ 39.5630, 0.2959,
0.3631

■ 41.5436, 0.3031,
0.3472

■ 43.8115, 0.3106,
0.3328

■ 46.3780, 0.3181,
0.3201

■ 49.2537, 0.3254,
0.3088

■ 52.4486, 0.3326,
0.2989

Harmonies

Analogous

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



34.2600, 0.3500, 0.4755



34.2600, 0.2748, 0.4415



34.2600, 0.2140, 0.3618

Triad

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



34.2600, 0.2748, 0.4415



34.2600, 0.2061, 0.2105



34.2600, 0.4641, 0.3461

Complementary

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



34.2600, 0.2748, 0.4415



14.9314, 0.3957, 0.2440

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.



34.2600, 0.4160, 0.2906



34.2600, 0.2748, 0.4415



34.2600, 0.2605, 0.2165

Square

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



34.2600, 0.2748, 0.4415



34.2600, 0.1796, 0.2307



34.2600, 0.3374, 0.2450



34.2600, 0.4631, 0.4040

Rectangle

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



34.2600, 0.2748, 0.4415



34.2600, 0.1890, 0.3061



34.2600, 0.3374, 0.2450



34.2600, 0.4532, 0.3270

Sweetspot

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



34.2614, 0.2748, 0.4415



72.9636, 0.2984, 0.3573



36.9398, 0.3523, 0.4999



15.9488, 0.2964, 0.3620



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2614, 0.2748, 0.4415



60.4091, 0.2728, 0.4704



35.9227, 0.2420, 0.3412



9.5510, 0.3057, 0.3419



23.2030, 0.2766, 0.5159



0.7419, 0.2612, 0.4602

Inverse Universe

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



14.9314, 0.3957, 0.2440



22.5383, 0.4230, 0.2344



13.8593, 0.4969, 0.3198



8.5814, 0.3203, 0.3165



7.4241, 0.4705, 0.2365



0.2451, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 34.2600, 0.2748, 0.4415 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 34.2600, 0.2748, 0.4415 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 34.2600, 0.2748, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 34.2600, 0.2748, 0.4415.



This preview shows how white text looks on a background with the Yxy color 34.2600, 0.2748, 0.4415.

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

34.2600, 0.2748, 0.4415

Protanopia

33.7215, 0.3735, 0.4025

Deuteranopia

33.7287, 0.3767, 0.3699



Tritanopia

34.2431, 0.2424, 0.3080

Trichromacy



Original Color

34.2600, 0.2748, 0.4415



Protanomaly

32.9416, 0.3286, 0.4198



Deuteranomaly

32.5085, 0.3297, 0.3953



Tritanomaly

34.0958, 0.2535, 0.3526

Monochromacy



Original Color

34.2600, 0.2748, 0.4415



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.4210, 0.2935, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2600, 0.2748, 0.4415 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(66, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(66, 178, 116)  
}
```

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(66, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 178, 116) }
```

Border

The CSS property to change the border of an element to Yxy 34.2600, 0.2748, 0.4415 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(66, 178, 116) }
```

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

```
.border{ border-color:rgb(66, 178, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 178, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(66, 178,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2600, 0.2748, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 178, 116) }
```

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

```
.background{ background-color: rgb(66, 178,  
116) }
```

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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