

Converting Colors

$Y_{xy}(32.9101, 0.2528, 0.5411)$

Have a look what the booklet for
Yxy(32.9101, 0.2528, 0.5411)
contains.

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Color

Yxy(34.4028, 0.2795, 0.5262)

Conversions

Conversions Part 1

Format	Color
Hex	00B74D
RGB	0, 183, 77
RGB Percent	0%, 72%, 30%
CMY	1.0000, 0.2823, 0.6979
CMYK	1.00, 0.00, 0.58, 0.28
HSL	145°, 100%, 36%
HSV	145°, 100%, 72%
XYZ	18.2736, 34.4028, 12.7033
YIQ	116.1990, -75.0420, -71.7620

Conversions

Conversions Part 2

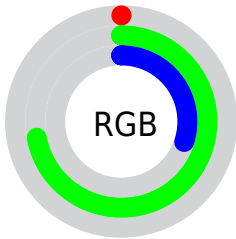
Format	Color
RYB	0, 129, 183
Decimal	46925
CIELab	65.28, -61.77, 42.41
CIELCh	65, 74.929, 145.526
Yxy	34.4028, 0.2795, 0.5262
Android (android.graphics.Color)	4278237005 (0xFF00B74D)
YUV	116.1990, -19.3251, -101.9065
Hunter-Lab	58.6539, -47.0326, 28.2167

Details

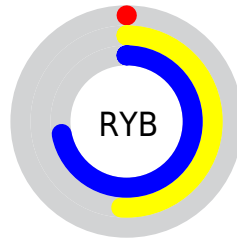
The Yxy color **34.4028, 0.2795, 0.5262** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.1077, 0.4625, 0.2322**, and the grayscale version is **17.6084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3920, 0.2899, 0.4817**, and **15.5085, 0.2935, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **34.4043, 0.2795, 0.5262**, and if you desaturate by 10%, it is **34.6980, 0.2765, 0.5067**.

Distribution



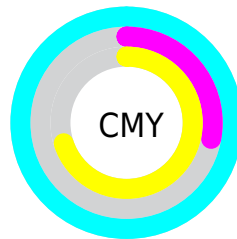
- Red (0%)
- Green (72%)
- Blue (30%)



- Red (0%)
- Yellow (51%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4028, 0.2795, 0.5262 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 34.4028, 0.2795, 0.5262 by changing the saturation by 10% instead.


 34.4028, 0.2795,
0.5262


 34.4028, 0.2795,
0.5262


 321.9244, 0.3028,
0.4141


 23.2032, 0.2707,
0.5585

 66.5596, 0.2900,
0.4822


 14.7436, 0.2573,
0.6021


 88.2855, 0.2933,
0.4666

 8.6397, 0.2356,
0.6627


 114.2891, 0.2958,
0.4538

 4.5069, 0.2062,
0.7796

 144.9546, 0.2978,
0.4432

 1.9610, 0.0485,
0.9515

 180.6665, 0.2994,
0.4342

 0.5846, 0.0000,
1.0000


 221.8092, 0.3008,


 0.0000, 0.0000,


0.4265


0.0000


268.7670, 0.3019,
0.4199

 34.4028, 0.2795,
0.5262


 34.4028, 0.2795,
0.5262


 34.4043, 0.2795,
0.5262

 34.6980, 0.2765,
0.5067

 35.1401, 0.2749,
0.4855

 35.7777, 0.2752,
0.4632

 36.6344, 0.2773,
0.4407

 37.7299, 0.2810,
0.4186

■ 39.0819, 0.2860,
0.3975

■ 40.7063, 0.2920,
0.3779

■ 42.6178, 0.2986,
0.3598

■ 44.8296, 0.3056,
0.3435

Harmonies

Analogous

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



34.4028, 0.3819, 0.5370



34.4028, 0.2795, 0.5262



34.4028, 0.1912, 0.4130

Triad

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



34.4028, 0.2795, 0.5262



34.4028, 0.1551, 0.1716



34.4028, 0.5189, 0.3215

Complementary

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



34.4028, 0.2795, 0.5262



11.1077, 0.4625, 0.2322

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.



34.4028, 0.4321, 0.2546



34.4028, 0.2795, 0.5262



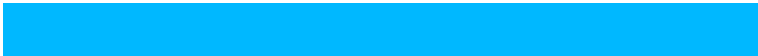
34.4028, 0.2140, 0.1728

Square

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



34.4028, 0.2795, 0.5262



34.4028, 0.1317, 0.2040



34.4028, 0.3123, 0.2019



34.4028, 0.5294, 0.3953

Rectangle

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



34.4028, 0.2795, 0.5262



34.4028, 0.1533, 0.3224



34.4028, 0.3123, 0.2019



34.4028, 0.4974, 0.2983

Sweetspot

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



34.4043, 0.2795, 0.5262



72.7461, 0.2917, 0.3788



36.9785, 0.3487, 0.5614



15.7862, 0.2891, 0.3869



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



34.4043, 0.2795, 0.5262



61.5719, 0.2803, 0.5291



36.6860, 0.2319, 0.3548



10.1212, 0.3060, 0.3425



24.0134, 0.2789, 0.5240



0.8590, 0.2642, 0.4713

Inverse Universe

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



11.1077, 0.4625, 0.2322



19.8460, 0.4654, 0.2338



10.1028, 0.6308, 0.3249



9.0971, 0.3200, 0.3158



7.7626, 0.4604, 0.2310



0.2857, 0.4153, 0.2062

Previews

White Background



This preview shows how the Yxy color 34.4028, 0.2795, 0.5262 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 34.4028, 0.2795, 0.5262 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 34.4028, 0.2795, 0.5262

Background



This preview shows how black text looks on a background with the Yxy color 34.4028, 0.2795, 0.5262.



This preview shows how white text looks on a background with the Yxy color 34.4028, 0.2795, 0.5262.

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

34.4028, 0.2795, 0.5262

Protanopia

33.9974, 0.4101, 0.4501

Deuteranopia

33.6910, 0.4211, 0.4133



Tritanopia

34.4279, 0.2338, 0.3062

Trichromacy



Original Color

34.4028, 0.2795, 0.5262



Protanomaly

31.4848, 0.3361, 0.4912



Deuteranomaly

30.6028, 0.3409, 0.4636



Tritanomaly

33.7068, 0.2479, 0.3826

Monochromacy



Original Color

34.4028, 0.2795, 0.5262



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

21.1713, 0.2826, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4028, 0.2795, 0.5262 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(0, 183, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 77)  
}
```

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(0, 183, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 77) }
```

Border

The CSS property to change the border of an element to Yxy 34.4028, 0.2795, 0.5262 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(0, 183, 77) }
```

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

```
.border{ border-color:rgb(0, 183, 77) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.4028, 0.2795, 0.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 77) }
```

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

```
.background{ background-color: rgb(0, 183,  
77) }
```

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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