

Converting Colors

$Yxy(34.1650, 0.2978, 0.5922)$

Have a look what the booklet for
Yxy(34.1650, 0.2978, 0.5922)
contains.

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Color

Yxy(34.3315, 0.2978, 0.5922)

Conversions

Conversions Part 1

Format	Color
Hex	00B814
RGB	0, 184, 20
RGB Percent	0%, 72%, 8%
CMY	1.0000, 0.2784, 0.9217
CMYK	1.00, 0.00, 0.89, 0.28
HSL	127°, 100%, 36%
HSV	127°, 100%, 72%
XYZ	17.2643, 34.3315, 6.3770
YIQ	110.2880, -57.0200, -90.0120

Conversions

Conversions Part 2

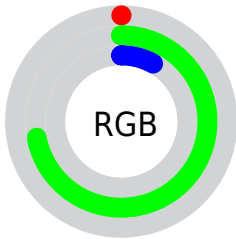
Format	Color
RYB	0, 166, 184
Decimal	47124
CIELab	65.22, -66.94, 62.37
CIELCh	65, 91.497, 137.023
Yxy	34.3315, 0.2978, 0.5922
Android (android.graphics.Color)	4278237204 (0xFF00B814)
YUV	110.2880, -44.5120, -96.7226
Hunter-Lab	58.5931, -49.9433, 34.5623

Details

The Yxy color **34.3315, 0.2978, 0.5922** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.8726, 0.3503, 0.1703**, and the grayscale version is **15.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2033, 0.3092, 0.5358**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.3345, 0.2978, 0.5922**, and if you desaturate by 10%, it is **34.5462, 0.2969, 0.5786**.

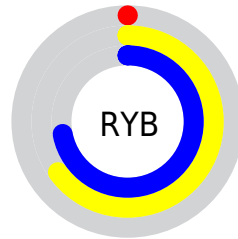
Distribution



Red (0%)

Green (72%)

Blue (8%)



Red (0%)

Yellow (65%)

Blue (72%)

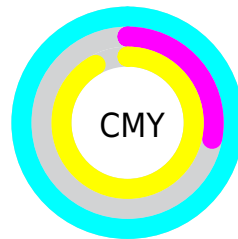


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (28%)



Cyan (100%)


Magenta (28%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.3315, 0.2978, 0.5922 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 34.3315, 0.2978, 0.5922 by changing the saturation by 10% instead.


 34.3315, 0.2978,
0.5922


 34.3315, 0.2978,
0.5922


321.6077, 0.3178,
0.4447


 23.1484, 0.2869,
0.6312


 66.4488, 0.3091,
0.5360


 14.7031, 0.2689,
0.6804


 88.1519, 0.3121,
0.5155


 8.6113, 0.2433,
0.7567


 114.1303, 0.3140,
0.4985

 4.4885, 0.1871,
0.8129

 144.7686, 0.3154,
0.4842

 1.9504, 0.0000,
1.0000

 180.4510, 0.3164,
0.4721

 0.5784, 0.0000,
1.0000

 221.5621, 0.3170,

 0.0000, 0.0000,

0.4617

0.0000

268.4862, 0.3175,
0.4526

■ 34.3315, 0.2978,
0.5922

■ 34.3315, 0.2978,
0.5922

■ 34.3345, 0.2978,
0.5922

■ 34.5462, 0.2969,
0.5786

■ 34.9287, 0.2962,
0.5582

■ 35.5340, 0.2965,
0.5318

■ 36.3895, 0.2975,
0.5013

■ 37.5187, 0.2993,
0.4689

■ 38.9425, 0.3017,
0.4365

■ 40.6795, 0.3043,
0.4056

■ 42.7471, 0.3072,
0.3772

■ 45.1610, 0.3100,
0.3516

Harmonies

Analogous

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



34.3315, 0.4145, 0.5537



34.3315, 0.2978, 0.5922



34.3315, 0.1901, 0.4831

Triad

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



34.3315, 0.2978, 0.5922



34.3315, 0.1207, 0.1523



34.3315, 0.5408, 0.2914

Complementary

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



34.3315, 0.2978, 0.5922



12.8726, 0.3503, 0.1703

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.



34.3315, 0.4154, 0.2213



34.3315, 0.2978, 0.5922



34.3315, 0.1730, 0.1459

Square

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



34.3315, 0.2978, 0.5922



34.3315, 0.1046, 0.1983



34.3315, 0.2726, 0.1697



34.3315, 0.5737, 0.3691

Rectangle

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



34.3315, 0.2978, 0.5922



34.3315, 0.1400, 0.3627



34.3315, 0.2726, 0.1697



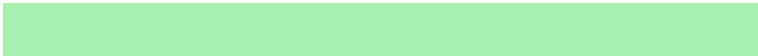
34.3315, 0.5067, 0.2669

Sweetspot

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



34.3345, 0.2978, 0.5922



73.5642, 0.3042, 0.4071



42.3486, 0.4019, 0.5191



15.5623, 0.3031, 0.4198



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.



34.3345, 0.2978, 0.5922



62.2184, 0.2982, 0.5936



35.4187, 0.2627, 0.4657



10.0755, 0.3102, 0.3500



23.6663, 0.2975, 0.5910



0.8396, 0.2889, 0.5599

Inverse Universe

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



12.8726, 0.3503, 0.1703



23.3112, 0.3508, 0.1706



10.6803, 0.5378, 0.2736



9.1455, 0.3154, 0.3089



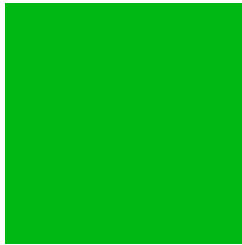
8.8773, 0.3499, 0.1701



0.3178, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 34.3315, 0.2978, 0.5922 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 34.3315, 0.2978, 0.5922 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 34.3315, 0.2978, 0.5922

Background



This preview shows how black text looks on a background with the Yxy color 34.3315, 0.2978, 0.5922.



This preview shows how white text looks on a background with the Yxy color 34.3315, 0.2978, 0.5922.

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

34.3315, 0.2978, 0.5922

Protanopia

33.8184, 0.4382, 0.4875

Deuteranopia

33.5471, 0.4574, 0.4483



Tritanopia

34.2064, 0.2362, 0.3062

Trichromacy



Original Color

34.3315, 0.2978, 0.5922



Protanomaly

31.1747, 0.3622, 0.5455



Deuteranomaly

30.3220, 0.3719, 0.5201



Tritanomaly

33.1843, 0.2614, 0.4232

Monochromacy



Original Color

34.3315, 0.2978, 0.5922



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

19.7292, 0.3001, 0.4621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3315, 0.2978, 0.5922 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, 184, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 20)  
}
```

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, 184, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 20) }
```

Border

The CSS property to change the border of an element to Yxy 34.3315, 0.2978, 0.5922 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, 184, 20) }
```

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

```
.border{ border-color:rgb(0, 184, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 184, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.3315, 0.2978, 0.5922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 20) }
```

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

```
.background{ background-color: rgb(0, 184,  
20) }
```

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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