

Converting Colors

$Y_{xy}(34.3020, 0.3216, 0.5828)$

Have a look what the booklet for
Yxy(34.3020, 0.3216, 0.5828)
contains.

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Color

Yxy(34.2767, 0.3215, 0.5829)

Conversions

Conversions Part 1

Format	Color
Hex	44B500
RGB	68, 181, 0
RGB Percent	27%, 71%, 0%
CMY	0.7335, 0.2902, 0.9997
CMYK	0.62, 0.00, 1.00, 0.29
HSL	97°, 100%, 36%
HSV	97°, 100%, 71%
XYZ	18.9054, 34.2767, 5.6216
YIQ	126.5790, -9.2470, -80.2470

Conversions

Conversions Part 2

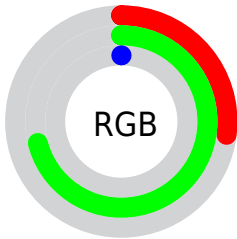
Format	Color
RYB	0, 181, 113
Decimal	4502784
CIELab	65.18, -58.05, 65.50
CIELCh	65, 87.520, 131.553
Yxy	34.2767, 0.3215, 0.5829
Android (android.graphics.Color)	4282692864 (0xFF44B500)
YUV	126.5790, -62.4034, -51.3738
Hunter-Lab	58.5463, -44.8159, 35.2894

Details

The Yxy color **34.2767, 0.3215, 0.5829** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **6.8589, 0.2289, 0.1035**, and the grayscale version is **21.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4307, 0.3284, 0.5305**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.2760, 0.3215, 0.5829**, and if you desaturate by 10%, it is **34.7686, 0.3265, 0.5710**.

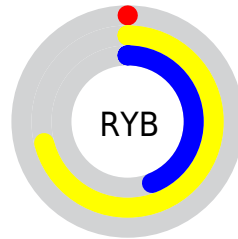
Distribution



Red (27%)

Green (71%)

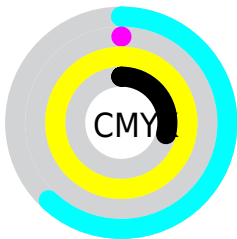
Blue (0%)



Red (0%)

Yellow (71%)

Blue (44%)

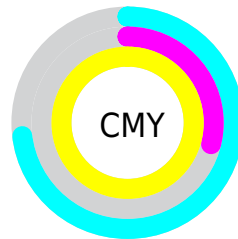


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (73%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2767, 0.3215, 0.5829 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 34.2767, 0.3215, 0.5829 by changing the saturation by 10% instead.


 34.2767, 0.3215,
0.5829


 34.2767, 0.3215,
0.5829

321.3641, 0.3294,
0.4432


 23.1062, 0.3133,
0.6184


 66.3637, 0.3286,
0.5307


 14.6720, 0.2986,
0.6623


 88.0491, 0.3299,
0.5113


 8.5895, 0.2755,
0.7245


 114.0082, 0.3305,
0.4951

 4.4744, 0.2246,
0.7754

 144.6255, 0.3306,
0.4814

 1.9423, 0.0849,
0.9151

 180.2853, 0.3305,
0.4698

 0.5736, 0.0000,
1.0000

 221.3721, 0.3302,

 0.0000, 0.0000,

0.4597

0.0000

268.2702, 0.3299,
0.4509

■ 34.2767, 0.3215,
0.5829

■ 34.2767, 0.3215,
0.5829

■ 34.2760, 0.3215,
0.5829

■ 34.7686, 0.3265,
0.5710

■ 35.3824, 0.3305,
0.5536

■ 36.1388, 0.3327,
0.5305

■ 37.0488, 0.3332,
0.5029

■ 38.1220, 0.3320,
0.4727

■ 39.3673, 0.3295,
0.4414

■ 40.7927, 0.3261,
0.4105

■ 42.4057, 0.3219,
0.3811

■ 44.2133, 0.3174,
0.3538

Harmonies

Analogous

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



34.2767, 0.4338, 0.5325



34.2767, 0.3215, 0.5829



34.2767, 0.2126, 0.5041

Triad

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



34.2767, 0.3215, 0.5829



34.2767, 0.1208, 0.1627



34.2767, 0.5148, 0.2806

Complementary

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



34.2767, 0.3215, 0.5829



6.8589, 0.2289, 0.1035

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.



34.2767, 0.3853, 0.2141



34.2767, 0.3215, 0.5829



34.2767, 0.1651, 0.1500

Square

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



34.2767, 0.3215, 0.5829



34.2767, 0.1111, 0.2177



34.2767, 0.2531, 0.1681



34.2767, 0.5662, 0.3561

Rectangle

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



34.2767, 0.3215, 0.5829



34.2767, 0.1575, 0.3928



34.2767, 0.2531, 0.1681



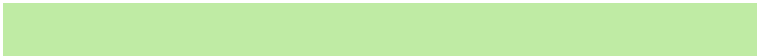
34.2767, 0.4771, 0.2570

Sweetspot

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



34.2782, 0.3215, 0.5829



72.9031, 0.3263, 0.4122



21.3372, 0.5068, 0.4358



15.5212, 0.3278, 0.4249



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.



34.2782, 0.3215, 0.5829



61.2623, 0.3204, 0.5838



33.1063, 0.2976, 0.5912



9.6402, 0.3171, 0.3521



23.6638, 0.3223, 0.5823



0.7786, 0.3460, 0.5634

Inverse Universe

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



6.8589, 0.2289, 0.1035



12.1416, 0.2275, 0.1027



12.3612, 0.3526, 0.1716



8.4843, 0.3080, 0.3061



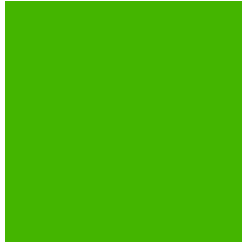
4.7657, 0.2300, 0.1041



0.1820, 0.2558, 0.1183

Previews

White Background



This preview shows how the Yxy color 34.2767, 0.3215, 0.5829 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 34.2767, 0.3215, 0.5829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

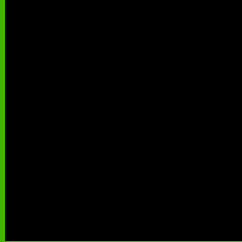
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2767, 0.3215, 0.5829

Background



This preview shows how black text looks on a background with the Yxy color 34.2767, 0.3215, 0.5829.



This preview shows how white text looks on a background with the Yxy color 34.2767, 0.3215, 0.5829.

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

34.2767, 0.3215, 0.5829

Protanopia

33.8008, 0.4394, 0.4893

Deuteranopia

33.6406, 0.4613, 0.4513



Tritanopia

34.0353, 0.2486, 0.3066

Trichromacy



Original Color

34.2767, 0.3215, 0.5829



Protanomaly

32.5908, 0.3890, 0.5293



Deuteranomaly

32.1350, 0.4042, 0.5059



Tritanomaly

33.2228, 0.2869, 0.4308

Monochromacy



Original Color

34.2767, 0.3215, 0.5829



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.5257, 0.3310, 0.4545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2767, 0.3215, 0.5829 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(68, 181, 0)` looks like.

```
.text, #text, p{  
  color:rgb(68, 181, 0)  
}
```

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(68, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 181, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.2767, 0.3215, 0.5829 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(68, 181, 0) }
```

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

```
.border{ border-color:rgb(68, 181, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 181, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 181, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.2767, 0.3215, 0.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 181, 0) }
```

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

```
.background{ background-color: rgb(68, 181,  
0) }
```

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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