

Converting Colors

$Yxy(34.9492, 0.3169, 0.5866)$

Have a look what the booklet for
Yxy(34.9492, 0.3169, 0.5866)
contains.

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Color

Yxy(34.8591, 0.3172, 0.5863)

Conversions

Conversions Part 1

Format	Color
Hex	3DB700
RGB	61, 183, 0
RGB Percent	24%, 72%, 0%
CMY	0.7607, 0.2823, 0.9995
CMYK	0.67, 0.00, 1.00, 0.28
HSL	100°, 100%, 36%
HSV	100°, 100%, 72%
XYZ	18.8595, 34.8591, 5.7375
YIQ	125.6600, -13.9690, -82.7770

Conversions

Conversions Part 2

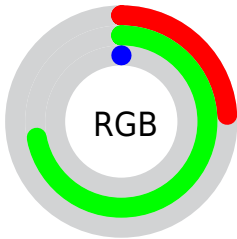
Format	Color
RYB	0, 183, 122
Decimal	4044544
CIELab	65.64, -60.26, 65.78
CIELCh	66, 89.206, 132.494
Yxy	34.8591, 0.3172, 0.5863
Android (android.graphics.Color)	4282234624 (0xFF3DB700)
YUV	125.6600, -61.9504, -56.7068
Hunter-Lab	59.0416, -46.3051, 35.5675

Details

The Yxy color **34.8591, 0.3172, 0.5863** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.5667, 0.2385, 0.1088**, and the grayscale version is **20.9679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2160, 0.3250, 0.5334**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.8577, 0.3172, 0.5864**, and if you desaturate by 10%, it is **35.3380, 0.3220, 0.5744**.

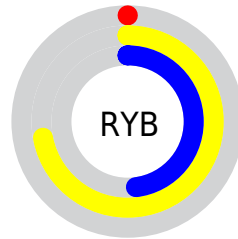
Distribution



Red (24%)

Green (72%)

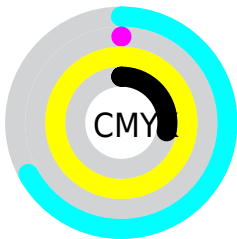
Blue (0%)



Red (0%)

Yellow (72%)

Blue (48%)

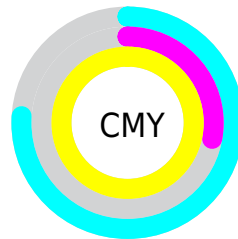


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (76%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8591, 0.3172, 0.5863 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 34.8591, 0.3172, 0.5863 by changing the saturation by 10% instead.


 34.8591, 0.3172,
0.5863


 34.8591, 0.3172,
0.5863


323.9460, 0.3276,
0.4447

 23.5544, 0.3084,
0.6224


 67.2674, 0.3252,
0.5333


 15.0034, 0.2930,
0.6669


 89.1398, 0.3268,
0.5137

 8.8218, 0.2693,
0.7307


 115.3035, 0.3277,
0.4973

 4.6251, 0.2179,
0.7821

 146.1430, 0.3281,
0.4834

 2.0290, 0.0792,
0.9208

 182.0426, 0.3282,
0.4716

 0.6243, 0.0000,
1.0000

 223.3866, 0.3281,

 0.0000, 0.0000,

0.4614

0.0000

270.5597, 0.3278,
0.4525

■ 34.8591, 0.3172,
0.5863

■ 34.8591, 0.3172,
0.5863

■ 34.8577, 0.3172,
0.5864

■ 35.3380, 0.3220,
0.5744

■ 35.9510, 0.3261,
0.5569

■ 36.7203, 0.3285,
0.5333

■ 37.6580, 0.3294,
0.5051

■ 38.7751, 0.3288,
0.4742

■ 40.0813, 0.3269,
0.4424

■ 41.5857, 0.3240,
0.4111

■ 43.2966, 0.3206,
0.3813

■ 45.2220, 0.3167,
0.3538

Harmonies

Analogous

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



34.8591, 0.4308, 0.5368



34.8591, 0.3172, 0.5863



34.8591, 0.2080, 0.5021

Triad

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



34.8591, 0.3172, 0.5863



34.8591, 0.1199, 0.1601



34.8591, 0.5206, 0.2821

Complementary

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



34.8591, 0.3172, 0.5863



7.5667, 0.2385, 0.1088

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.



34.8591, 0.3907, 0.2147



34.8591, 0.3172, 0.5863



34.8591, 0.1657, 0.1485

Square

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



34.8591, 0.3172, 0.5863



34.8591, 0.1091, 0.2136



34.8591, 0.2559, 0.1676



34.8591, 0.5690, 0.3580

Rectangle

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



34.8591, 0.3172, 0.5863



34.8591, 0.1536, 0.3880



34.8591, 0.2559, 0.1676



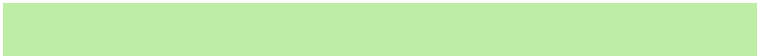
34.8591, 0.4832, 0.2583

Sweetspot

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



34.8606, 0.3172, 0.5863



74.3167, 0.3242, 0.4128



23.9971, 0.4931, 0.4466



16.1563, 0.3255, 0.4258



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.



34.8606, 0.3172, 0.5863



62.3163, 0.3161, 0.5872



33.9651, 0.2958, 0.5850



10.2015, 0.3165, 0.3523



24.3509, 0.3180, 0.5857



0.8932, 0.3395, 0.5686

Inverse Universe

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



7.5667, 0.2385, 0.1088



13.4104, 0.2372, 0.1080



12.3543, 0.3680, 0.1801



9.0089, 0.3086, 0.3061



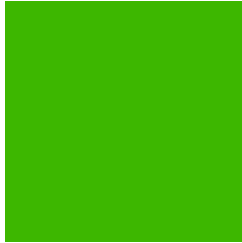
5.3133, 0.2395, 0.1093



0.2196, 0.2611, 0.1212

Previews

White Background



This preview shows how the Yxy color 34.8591, 0.3172, 0.5863 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 34.8591, 0.3172, 0.5863 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 34.8591, 0.3172, 0.5863

Background



This preview shows how black text looks on a background with the Yxy color 34.8591, 0.3172, 0.5863.



This preview shows how white text looks on a background with the Yxy color 34.8591, 0.3172, 0.5863.

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

34.8591, 0.3172, 0.5863

Protanopia

34.3800, 0.4404, 0.4886

Deuteranopia

34.1013, 0.4607, 0.4511



Tritanopia

34.6430, 0.2456, 0.3067

Trichromacy



Original Color

34.8591, 0.3172, 0.5863

Protanomaly

33.2395, 0.3863, 0.5315

Deuteranomaly

32.3004, 0.4008, 0.5079

Tritanomaly

33.7833, 0.2832, 0.4327

Monochromacy



Original Color

34.8591, 0.3172, 0.5863

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

24.2714, 0.3276, 0.4580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8591, 0.3172, 0.5863 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(61, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 183, 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(61, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 183, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.8591, 0.3172, 0.5863 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(61, 183, 0) }
```

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

```
.border{ border-color:rgb(61, 183, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 183, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 183, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 34.8591, 0.3172, 0.5863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 183, 0) }
```

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

```
.background{ background-color: rgb(61, 183,  
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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