

Converting Colors

$Yxy(34.6620, 0.3004, 0.5986)$

Have a look what the booklet for
Yxy(34.6620, 0.3004, 0.5986)
contains.

Yxy(34.7432, 0.3004, 0.5984)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7432, 0.3004, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	06B903
RGB	6, 185, 3
RGB Percent	2%, 73%, 1%
CMY	0.9763, 0.2745, 0.9878
CMYK	0.97, 0.00, 0.98, 0.27
HSL	119°, 97%, 37%
HSV	119°, 98%, 73%
XYZ	17.4413, 34.7432, 5.8757
YIQ	110.7310, -48.2620, -94.5500

Conversions

Conversions Part 2

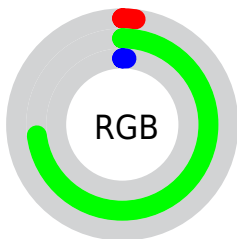
Format	Color
R_{YB}	3, 185, 182
Decimal	440579
CIE _{Lab}	65.55, -67.37, 65.02
CIE _{LCh}	66, 93.631, 136.017
Yxy	34.7432, 0.3004, 0.5984
Android (android.graphics.Color)	4278630659 (0xFF06B903)
YUV	110.7310, -53.1114, -91.8491
Hunter-Lab	58.9434, -50.3329, 35.3501

Details

The Yxy color **34.7432, 0.3004, 0.5984** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.5246, 0.3170, 0.1526**, and the grayscale version is **15.9895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8210, 0.3120, 0.5415**, and **15.9653, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.7181, 0.3003, 0.5997**, and if you desaturate by 10%, it is **34.9525, 0.3010, 0.5887**.

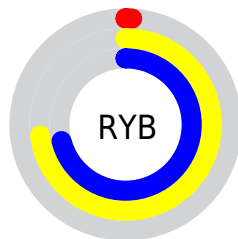
Distribution



Red (2%)

Green (73%)

Blue (1%)



Red (1%)

Yellow (73%)

Blue (71%)

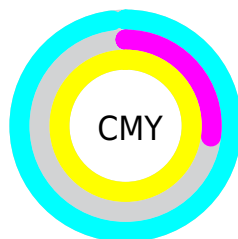


Cyan (97%)

Magenta (0%)

Yellow (98%)

Black (27%)



Cyan (98%)

Magenta (27%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7432, 0.3004, 0.5984 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 34.7432, 0.3004, 0.5984 by changing the saturation by 10% instead.


 34.7432, 0.3004,
0.5984


 34.7432, 0.3004,
0.5984


 323.4334, 0.3199,
0.4483

 23.4651, 0.2892,
0.6374


 67.0878, 0.3118,
0.5417


 14.9373, 0.2707,
0.6859


 88.9230, 0.3147,
0.5208


 8.7754, 0.2433,
0.7567


 115.0461, 0.3167,
0.5035

 4.5950, 0.1875,
0.8125

 145.8415, 0.3179,
0.4889

 2.0116, 0.0000,
1.0000

 181.6935, 0.3188,
0.4764

 0.6142, 0.0000,
1.0000

 222.9866, 0.3193,

 0.0000, 0.0000,

0.4657

0.0000

270.1051, 0.3197,
0.4564

■ 34.7432, 0.3004,
0.5984

■ 34.7432, 0.3004,
0.5984

■ 34.7181, 0.3003,
0.5997

■ 34.9525, 0.3010,
0.5887

■ 35.3545, 0.3021,
0.5710

■ 35.9916, 0.3035,
0.5453

■ 36.8921, 0.3051,
0.5138

■ 38.0805, 0.3067,
0.4790

■ 39.5785, 0.3082,
0.4436

■ 41.4055, 0.3096,
0.4095

■ 43.5795, 0.3109,
0.3781

■ 46.1172, 0.3119,
0.3499

Harmonies

Analogous

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



34.7432, 0.4184, 0.5535



34.7432, 0.3004, 0.5984



34.7432, 0.1908, 0.4924

Triad

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



34.7432, 0.3004, 0.5984



34.7432, 0.1173, 0.1507



34.7432, 0.5419, 0.2877

Complementary

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



34.7432, 0.3004, 0.5984



13.5246, 0.3170, 0.1526

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.



34.7432, 0.4120, 0.2175



34.7432, 0.3004, 0.5984



34.7432, 0.1685, 0.1433

Square

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



34.7432, 0.3004, 0.5984



34.7432, 0.1021, 0.1985



34.7432, 0.2674, 0.1663



34.7432, 0.5782, 0.3656

Rectangle

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



34.7432, 0.3004, 0.5984



34.7432, 0.1393, 0.3689



34.7432, 0.2674, 0.1663



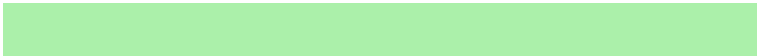
34.7432, 0.5062, 0.2632

Sweetspot

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



34.7446, 0.3004, 0.5984



73.7454, 0.3095, 0.4134



43.7653, 0.4218, 0.5024



15.5898, 0.3089, 0.4277



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.



34.7446, 0.3004, 0.5984



62.1686, 0.3002, 0.5998



35.4747, 0.2735, 0.5033



10.0668, 0.3118, 0.3526



23.6423, 0.3004, 0.5997



0.8358, 0.3021, 0.5983

Inverse Universe

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



13.5246, 0.3170, 0.1526



24.0793, 0.3169, 0.1519



11.2469, 0.4850, 0.2457



9.1552, 0.3135, 0.3065



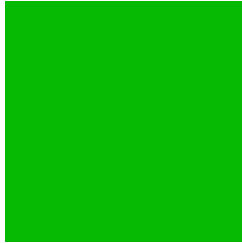
9.1619, 0.3170, 0.1520



0.3253, 0.3180, 0.1526

Previews

White Background



This preview shows how the Yxy color 34.7432, 0.3004, 0.5984 looks on a white background.

Color Contrast Check

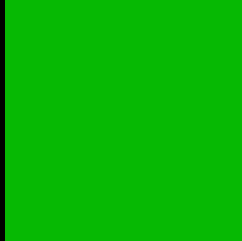
Large Text (above 18pt) WCAG AA × Fail

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 34.7432, 0.3004, 0.5984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

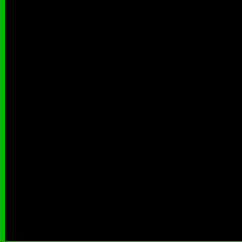
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7432, 0.3004, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 34.7432, 0.3004, 0.5984.



This preview shows how white text looks on a background with the Yxy color 34.7432, 0.3004, 0.5984.

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

34.7432, 0.3004, 0.5984

Protanopia

33.9187, 0.4405, 0.4885

Deuteranopia

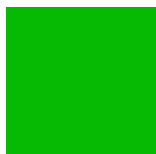
34.1080, 0.4602, 0.4505



Tritanopia

34.6699, 0.2364, 0.3064

Trichromacy



Original Color

34.7432, 0.3004, 0.5984



Protanomaly

31.6523, 0.3649, 0.5480



Deuteranomaly

30.9406, 0.3780, 0.5234



Tritanomaly

33.5063, 0.2665, 0.4362

Monochromacy



Original Color

34.7432, 0.3004, 0.5984



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

20.0613, 0.3069, 0.4733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7432, 0.3004, 0.5984 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(6, 185, 3)` looks like.

```
.text, #text, p{  
    color:rgb(6, 185, 3)  
}
```

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(6, 185, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 185, 3) }
```

Border

The CSS property to change the border of an element to Yxy 34.7432, 0.3004, 0.5984 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(6, 185, 3) }
```

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

```
.border{ border-color:rgb(6, 185, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 185, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 185, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 185, 3); box-shadow:4px  
4px 4px 4px rgb(6, 185, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7432, 0.3004, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 185, 3) }
```

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

```
.background{ background-color: rgb(6, 185,  
3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor