

Converting Colors

$Y_{xy}(37.3818, 0.2996, 0.5984)$

Have a look what the booklet for
Yxy(37.3818, 0.2996, 0.5984)
contains.

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Color

Yxy(37.2726, 0.2996, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	00BF05
RGB	0, 191, 5
RGB Percent	0%, 75%, 2%
CMY	0.9987, 0.2510, 0.9805
CMYK	1.00, 0.00, 0.97, 0.25
HSL	121°, 100%, 38%
HSV	121°, 100%, 75%
XYZ	18.6612, 37.2726, 6.3533
YIQ	112.6870, -54.1300, -98.3380

Conversions

Conversions Part 2

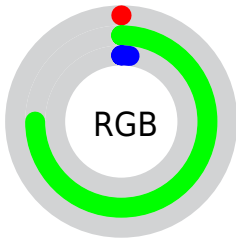
Format	Color
RYB	0, 186, 191
Decimal	48901
CIELab	67.48, -69.23, 66.36
CIELCh	67, 95.896, 136.211
Yxy	37.2726, 0.2996, 0.5984
Android (android.graphics.Color)	4278238981 (0xFF00BF05)
YUV	112.6870, -53.0897, -98.8265
Hunter-Lab	61.0513, -52.2786, 36.5659

Details

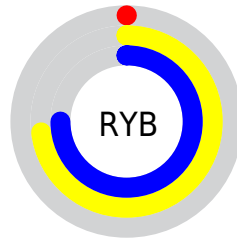
The Yxy color **37.2726, 0.2996, 0.5984** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **14.6440, 0.3271, 0.1576**, and the grayscale version is **16.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0973, 0.3107, 0.5429**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.2712, 0.2996, 0.5985**, and if you desaturate by 10%, it is **37.4683, 0.2998, 0.5891**.

Distribution



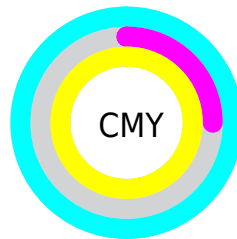
- Red (0%)
- Green (75%)
- Blue (2%)



- Red (0%)
- Yellow (73%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2726, 0.2996, 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 37.2726, 0.2996, 0.5984 by changing the saturation by 10% instead.

 37.2726, 0.2996,
0.5984


 37.2726, 0.2996,
0.5984

334.4892, 0.3194,
0.4498


 25.4186, 0.2887,
0.6365


 70.9918, 0.3110,
0.5427


 16.3892, 0.2709,
0.6837


 93.6259, 0.3139,
0.5220


 9.8000, 0.2456,
0.7544


 120.6221, 0.3159,
0.5048

 5.2665, 0.1925,
0.8075

 152.3649, 0.3172,
0.4903

 2.4045, 0.0585,
0.9415

 189.2386, 0.3182,
0.4779

 0.8282, 0.0000,
1.0000

 231.6276, 0.3188,

 0.0000, 0.0000,

0.4673

0.0000

279.9163, 0.3192,
0.4580

■ 37.2726, 0.2996,
0.5984

■ 37.2726, 0.2996,
0.5984

■ 37.2712, 0.2996,
0.5985

■ 37.4683, 0.2998,
0.5891

■ 37.8524, 0.3002,
0.5718

■ 38.4855, 0.3011,
0.5467

■ 39.4002, 0.3024,
0.5158

■ 40.6240, 0.3041,
0.4816

■ 42.1813, 0.3059,
0.4466

■ 44.0940, 0.3077,
0.4128

■ 46.3821, 0.3095,
0.3815

■ 49.0642, 0.3112,
0.3534

Harmonies

Analogous

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



37.2726, 0.4177, 0.5541



37.2726, 0.2996, 0.5984



37.2726, 0.1902, 0.4914

Triad

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



37.2726, 0.2996, 0.5984



37.2726, 0.1175, 0.1505



37.2726, 0.5426, 0.2882

Complementary

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



37.2726, 0.2996, 0.5984



14.6440, 0.3271, 0.1576

Split Complementary

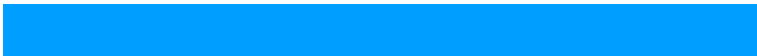
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.2726, 0.4130, 0.2179



37.2726, 0.2996, 0.5984



37.2726, 0.1689, 0.1433

Square

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



37.2726, 0.2996, 0.5984



37.2726, 0.1021, 0.1979



37.2726, 0.2682, 0.1665



37.2726, 0.5782, 0.3661

Rectangle

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



37.2726, 0.2996, 0.5984



37.2726, 0.1388, 0.3678



37.2726, 0.2682, 0.1665



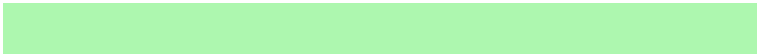
37.2726, 0.5071, 0.2636

Sweetspot

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



37.2741, 0.2996, 0.5984



78.7298, 0.3076, 0.4149



47.9304, 0.4164, 0.5075



16.9537, 0.3068, 0.4292



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.2741, 0.2996, 0.5984



66.7490, 0.2997, 0.5989



38.1612, 0.2709, 0.4951



10.6533, 0.3113, 0.3521



24.4963, 0.2995, 0.5981



0.9608, 0.2975, 0.5910

Inverse Universe

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



14.6440, 0.3271, 0.1576



26.2083, 0.3272, 0.1576



11.8649, 0.5031, 0.2546



9.6922, 0.3141, 0.3069



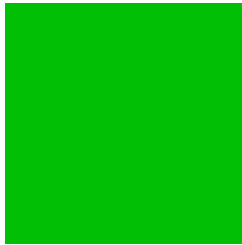
9.6207, 0.3270, 0.1575



0.3781, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 37.2726, 0.2996, 0.5984 looks on a white background.

Color Contrast Check

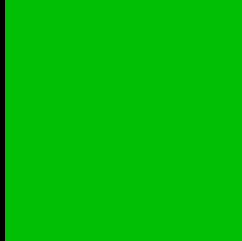
Large Text (above 18pt) WCAG AA × Fail

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 37.2726, 0.2996, 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

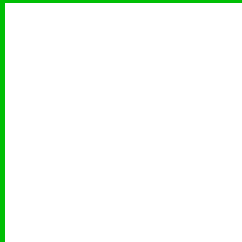
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2726, 0.2996, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 37.2726, 0.2996, 0.5984.



This preview shows how white text looks on a background with the Yxy color 37.2726, 0.2996, 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

37.2726, 0.2996, 0.5984

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

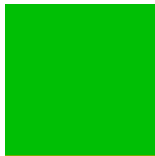
36.5890, 0.4596, 0.4507



Tritanopia

37.3520, 0.2363, 0.3070

Trichromacy



Original Color

37.2726, 0.2996, 0.5984



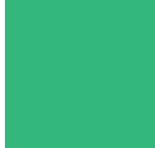
Protanomaly

34.0584, 0.3627, 0.5494



Deuteranomaly

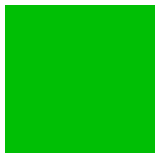
32.9193, 0.3757, 0.5244



Tritanomaly

36.0260, 0.2648, 0.4349

Monochromacy



Original Color

37.2726, 0.2996, 0.5984



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

20.9219, 0.3042, 0.4737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2726, 0.2996, 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(0, 191, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 5)  
}
```

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, 191, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 5) }
```

Border

The CSS property to change the border of an element to Yxy 37.2726, 0.2996, 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(0, 191, 5) }
```

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

```
.border{ border-color:rgb(0, 191, 5) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 191, 5); box-shadow:4px  
4px 4px 4px rgb(0, 191, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2726, 0.2996, 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(0, 191, 5) }
```

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

```
.background{ background-color: rgb(0, 191,  
5) }
```

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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