

Converting Colors

$Y_{xy}(36.2882, 0.2991, 0.5967)$

Have a look what the booklet for
Yxy(36.2882, 0.2991, 0.5967)
contains.

Yxy(36.4171, 0.2991, 0.5968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.4171, 0.2991, 0.5968)

Conversions

Conversions Part 1

Format	Color
Hex	00BD0A
RGB	0, 189, 10
RGB Percent	0%, 74%, 4%
CMY	1.0000, 0.2588, 0.9610
CMYK	1.00, 0.00, 0.95, 0.26
HSL	123°, 100%, 37%
HSV	123°, 100%, 74%
XYZ	18.2513, 36.4171, 6.3522
YIQ	112.0830, -55.1850, -95.7370

Conversions

Conversions Part 2

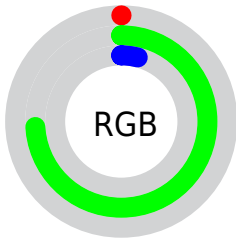
Format	Color
RYB	0, 180, 189
Decimal	48394
CIELab	66.84, -68.60, 65.25
CIELCh	67, 94.676, 136.430
Yxy	36.4171, 0.2991, 0.5968
Android (android.graphics.Color)	4278238474 (0xFF00BD0A)
YUV	112.0830, -50.3269, -98.2968
Hunter-Lab	60.3466, -51.6208, 36.0016

Details

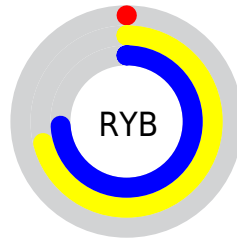
The Yxy color **36.4171, 0.2991, 0.5968** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.0766, 0.3346, 0.1617**, and the grayscale version is **16.3908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8823, 0.3106, 0.5411**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4192, 0.2991, 0.5968**, and if you desaturate by 10%, it is **36.6179, 0.2989, 0.5862**.

Distribution



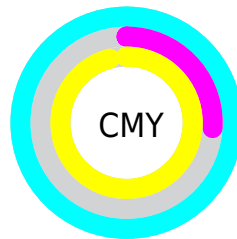
- Red (0%)
- Green (74%)
- Blue (4%)



- Red (0%)
- Yellow (71%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4171, 0.2991, 0.5968 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 36.4171, 0.2991, 0.5968 by changing the saturation by 10% instead.

 36.4171, 0.2991,
0.5968


 36.4171, 0.2991,
0.5968


330.7800, 0.3190,
0.4484

 24.7565, 0.2882,
0.6352


 69.6754, 0.3105,
0.5409


 15.8957, 0.2703,
0.6829

 92.0418, 0.3134,
0.5203

 9.4504, 0.2449,
0.7551


 118.7457, 0.3154,
0.5031

 5.0361, 0.1909,
0.8091

 150.1714, 0.3167,
0.4887

 2.2685, 0.0411,
0.9589

 186.7032, 0.3177,
0.4764

 0.7569, 0.0000,
1.0000

 228.7257, 0.3183,

 0.0000, 0.0000,

0.4657

0.0000

276.6231, 0.3187,
0.4565

■ 36.4171, 0.2991,
0.5968

■ 36.4171, 0.2991,
0.5968

■ 36.4192, 0.2991,
0.5968

■ 36.6179, 0.2989,
0.5862

■ 37.0010, 0.2990,
0.5679

■ 37.6248, 0.2996,
0.5423

■ 38.5203, 0.3008,
0.5115

■ 39.7137, 0.3025,
0.4778

■ 41.2282, 0.3044,
0.4436

■ 43.0848, 0.3066,
0.4108

■ 45.3025, 0.3087,
0.3804

■ 47.8991, 0.3108,
0.3531

Harmonies

Analogous

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



36.4171, 0.4168, 0.5541



36.4171, 0.2991, 0.5968



36.4171, 0.1901, 0.4891

Triad

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



36.4171, 0.2991, 0.5968



36.4171, 0.1183, 0.1509



36.4171, 0.5422, 0.2890

Complementary

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



36.4171, 0.2991, 0.5968



14.0766, 0.3346, 0.1617

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.



36.4171, 0.4137, 0.2188



36.4171, 0.2991, 0.5968



36.4171, 0.1700, 0.1439

Square

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



36.4171, 0.2991, 0.5968



36.4171, 0.1027, 0.1980



36.4171, 0.2694, 0.1673



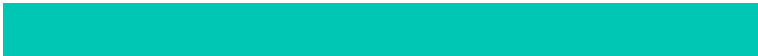
36.4171, 0.5770, 0.3669

Rectangle

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



36.4171, 0.2991, 0.5968



36.4171, 0.1391, 0.3664



36.4171, 0.2694, 0.1673



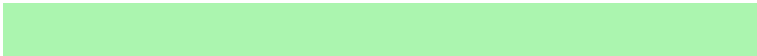
36.4171, 0.5070, 0.2645

Sweetspot

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



36.4192, 0.2991, 0.5968



76.9862, 0.3065, 0.4123



46.0473, 0.4106, 0.5122



16.2403, 0.3056, 0.4259



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.4192, 0.2991, 0.5968



65.2126, 0.2993, 0.5976



37.3959, 0.2677, 0.4838



10.6576, 0.3109, 0.3514



24.5061, 0.2989, 0.5960



0.9627, 0.2947, 0.5808

Inverse Universe

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



14.0766, 0.3346, 0.1617



25.1982, 0.3348, 0.1618



11.4762, 0.5174, 0.2624



9.6874, 0.3146, 0.3076



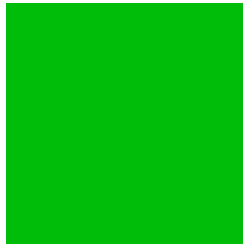
9.4742, 0.3344, 0.1616



0.3738, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 36.4171, 0.2991, 0.5968 looks on a white background.

Color Contrast Check

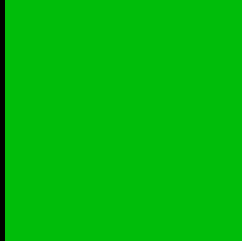
Large Text (above 18pt) WCAG AA × Fail

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 36.4171, 0.2991, 0.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

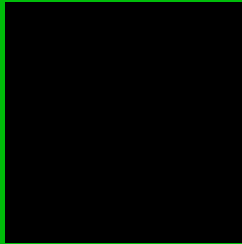
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

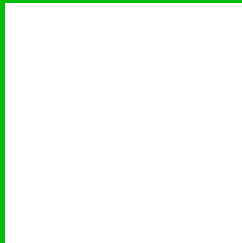
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4171, 0.2991, 0.5968

Background



This preview shows how black text looks on a background with the Yxy color 36.4171, 0.2991, 0.5968.



This preview shows how white text looks on a background with the Yxy color 36.4171, 0.2991, 0.5968.

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

36.4171, 0.2991, 0.5968

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

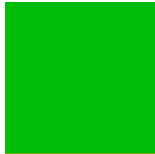
35.6461, 0.4599, 0.4499



Tritanopia

36.4306, 0.2362, 0.3068

Trichromacy



Original Color

36.4171, 0.2991, 0.5968



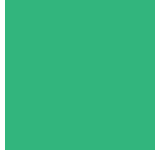
Protanomaly

33.2268, 0.3628, 0.5485



Deuteranomaly

32.0333, 0.3748, 0.5238



Tritanomaly

35.2065, 0.2633, 0.4303

Monochromacy



Original Color

36.4171, 0.2991, 0.5968



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

20.6038, 0.3025, 0.4706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4171, 0.2991, 0.5968 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, 189, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 10)  
}
```

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, 189, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 10) }
```

Border

The CSS property to change the border of an element to Yxy 36.4171, 0.2991, 0.5968 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, 189, 10) }
```

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

```
.border{ border-color:rgb(0, 189, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.4171, 0.2991, 0.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 10) }
```

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

```
.background{ background-color: rgb(0, 189,  
10) }
```

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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