

Converting Colors

$Yxy(36.4146, 0.2999, 0.5921)$

Have a look what the booklet for
Yxy(36.4146, 0.2999, 0.5921)
contains.

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Color

Yxy(36.5404, 0.2999, 0.5923)

Conversions

Conversions Part 1

Format	Color
Hex	0FBD12
RGB	15, 189, 18
RGB Percent	6%, 74%, 7%
CMY	0.9419, 0.2588, 0.9293
CMYK	0.92, 0.00, 0.90, 0.26
HSL	121°, 85%, 40%
HSV	121°, 92%, 74%
XYZ	18.5015, 36.5404, 6.6504
YIQ	117.4800, -48.8130, -90.0690

Conversions

Conversions Part 2

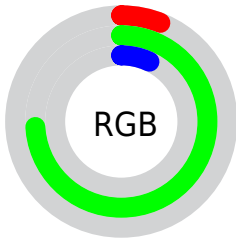
Format	Color
RYB	15, 186, 189
Decimal	1031442
CIELab	66.93, -67.69, 64.22
CIELCh	67, 93.304, 136.505
Yxy	36.5404, 0.2999, 0.5923
Android (android.graphics.Color)	4279221522 (0xFF0FBD12)
YUV	117.4800, -49.0436, -89.8750
Hunter-Lab	60.4487, -51.1516, 35.7911

Details

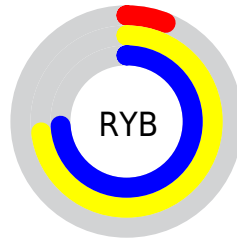
The Yxy color **36.5404, 0.2999, 0.5923** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.6927, 0.3250, 0.1592**, and the grayscale version is **18.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1047, 0.3110, 0.5374**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4058, 0.2997, 0.5989**, and if you desaturate by 10%, it is **36.8643, 0.3003, 0.5773**.

Distribution



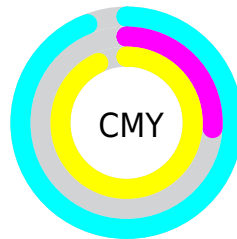
- Red (6%)
- Green (74%)
- Blue (7%)



- Red (6%)
- Yellow (73%)
- Blue (74%)



- Cyan (92%)
- Magenta (0%)
- Yellow (90%)
- Black (26%)



- Cyan (94%)
- Magenta (26%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5404, 0.2999, 0.5923 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 36.5404, 0.2999, 0.5923 by changing the saturation by 10% instead.

 36.5404, 0.2999,
0.5923


 36.5404, 0.2999,
0.5923

331.3164, 0.3189,
0.4464


 24.8518, 0.2894,
0.6302


 69.8653, 0.3108,
0.5372

 15.9667, 0.2722,
0.6776


 92.2705, 0.3136,
0.5170


 9.5006, 0.2485,
0.7515


 119.0167, 0.3155,
0.5001

 5.0691, 0.1952,
0.8048

 150.4883, 0.3168,
0.4859

 2.2879, 0.0534,
0.9466

 187.0696, 0.3176,
0.4738

 0.7673, 0.0000,
1.0000

 229.1452, 0.3182,

 0.0000, 0.0000,

0.4634

0.0000

277.0993, 0.3186,
0.4543

■ 36.5404, 0.2999,
0.5923

■ 36.5404, 0.2999,
0.5923

■ 36.4058, 0.2997,
0.5989

■ 36.8643, 0.3003,
0.5773

■ 37.4217, 0.3011,
0.5540

■ 38.2474, 0.3024,
0.5243

■ 39.3695, 0.3040,
0.4905

■ 40.8124, 0.3057,
0.4554

■ 42.5981, 0.3075,
0.4210

■ 44.7466, 0.3093,
0.3889

■ 47.2765, 0.3109,
0.3598

■ 50.2048, 0.3124,
0.3341

Harmonies

Analogous

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



36.5404, 0.4164, 0.5520



36.5404, 0.2999, 0.5923



36.5404, 0.1919, 0.4859

Triad

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



36.5404, 0.2999, 0.5923



36.5404, 0.1203, 0.1529



36.5404, 0.5390, 0.2902

Complementary

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



36.5404, 0.2999, 0.5923



14.6927, 0.3250, 0.1592

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.



36.5404, 0.4127, 0.2203



36.5404, 0.2999, 0.5923



36.5404, 0.1718, 0.1459

Square

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



36.5404, 0.2999, 0.5923



36.5404, 0.1048, 0.1997



36.5404, 0.2705, 0.1691



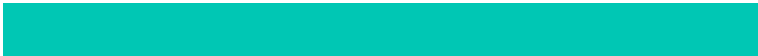
36.5404, 0.5738, 0.3677

Rectangle

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



36.5404, 0.2999, 0.5923



36.5404, 0.1412, 0.3657



36.5404, 0.2705, 0.1691



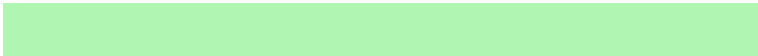
36.5404, 0.5045, 0.2657

Sweetspot

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



36.5419, 0.2999, 0.5923



77.6389, 0.3082, 0.4087



46.8842, 0.4150, 0.5046



16.3597, 0.3074, 0.4230



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.



36.5419, 0.2999, 0.5923



65.1937, 0.2998, 0.5992



37.5143, 0.2687, 0.4816



10.6524, 0.3114, 0.3523



24.4942, 0.2996, 0.5986



0.9604, 0.2981, 0.5931

Inverse Universe

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



14.6927, 0.3250, 0.1592



25.6851, 0.3256, 0.1568



12.0570, 0.4840, 0.2493



9.6932, 0.3140, 0.3068



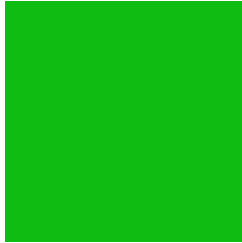
9.6521, 0.3255, 0.1567



0.3791, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 36.5404, 0.2999, 0.5923 looks on a white background.

Color Contrast Check

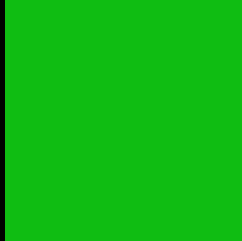
Large Text (above 18pt) WCAG AA × Fail

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 36.5404, 0.2999, 0.5923 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 36.5404, 0.2999, 0.5923

Background



This preview shows how black text looks on a background with the Yxy color 36.5404, 0.2999, 0.5923.



This preview shows how white text looks on a background with the Yxy color 36.5404, 0.2999, 0.5923.

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

36.5404, 0.2999, 0.5923

Protanopia

35.7857, 0.4400, 0.4888

Deuteranopia

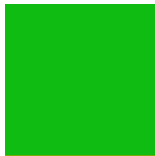
35.6608, 0.4589, 0.4487



Tritanopia

36.4738, 0.2366, 0.3068

Trichromacy



Original Color

36.5404, 0.2999, 0.5923



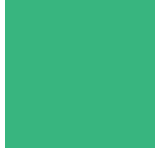
Protanomaly

33.5853, 0.3672, 0.5439



Deuteranomaly

32.5447, 0.3793, 0.5159



Tritanomaly

35.4208, 0.2644, 0.4259

Monochromacy



Original Color

36.5404, 0.2999, 0.5923



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.9445, 0.3057, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5404, 0.2999, 0.5923 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(15, 189, 18)` looks like.

```
.text, #text, p{  
    color:rgb(15, 189, 18)  
}
```

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(15, 189, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 189, 18) }
```

Border

The CSS property to change the border of an element to Yxy 36.5404, 0.2999, 0.5923 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(15, 189, 18) }
```

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

```
.border{ border-color:rgb(15, 189, 18) }
```

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

Here you see how a box with a 4 pixel rgb(15, 189, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 189, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 189, 18);  
box-shadow:4px 4px 4px 4px rgb(15, 189,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5404, 0.2999, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 189, 18) }
```

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

```
.background{ background-color: rgb(15, 189,  
18) }
```

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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