

Converting Colors

$Y_{xy}(30.7704, 0.3001, 0.5936)$

Have a look what the booklet for
Yxy(30.7704, 0.3001, 0.5936)
contains.

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Color

Yxy(30.7672, 0.3002, 0.5937)

Conversions

Conversions Part 1

Format	Color
Hex	0CAF0D
RGB	12, 175, 13
RGB Percent	5%, 69%, 5%
CMY	0.9518, 0.3137, 0.9491
CMYK	0.93, 0.00, 0.93, 0.31
HSL	120°, 87%, 37%
HSV	120°, 93%, 69%
XYZ	15.5572, 30.7672, 5.4984
YIQ	107.7950, -45.1460, -84.9380

Conversions

Conversions Part 2

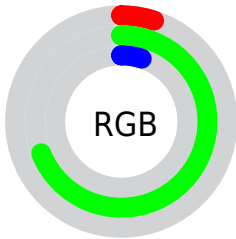
Format	Color
RYB	12, 174, 175
Decimal	831245
CIELab	62.31, -64.04, 61.09
CIELCh	62, 88.507, 136.348
Yxy	30.7672, 0.3002, 0.5937
Android (android.graphics.Color)	4279021325 (0xFF0CAF0D)
YUV	107.7950, -46.7339, -84.0122
Hunter-Lab	55.4682, -47.0053, 32.9505

Details

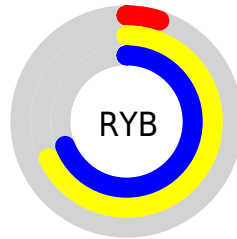
The Yxy color **30.7672, 0.3002, 0.5937** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **12.4522, 0.3218, 0.1572**, and the grayscale version is **15.1042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9304, 0.3116, 0.5362**, and **13.6747, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.6607, 0.2999, 0.5997**, and if you desaturate by 10%, it is **31.0280, 0.3008, 0.5797**.

Distribution



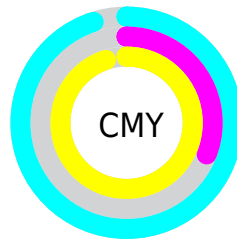
- Red (5%)
- Green (69%)
- Blue (5%)



- Red (5%)
- Yellow (68%)
- Blue (69%)



- Cyan (93%)
- Magenta (0%)
- Yellow (93%)
- Black (31%)




- Cyan (95%)
- Magenta (31%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7672, 0.3002, 0.5937 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 30.7672, 0.3002, 0.5937 by changing the saturation by 10% instead.


 30.7672, 0.3002,
0.5937


 30.7672, 0.3002,
0.5937


305.4644, 0.3193,
0.4432


 20.4216, 0.2888,
0.6342


 60.8734, 0.3115,
0.5358


 12.7019, 0.2697,
0.6856

 81.4028, 0.3144,
0.5149


 7.2236, 0.2399,
0.7601

 106.0956, 0.3162,
0.4976

 3.6023, 0.1788,
0.8212

 135.3361, 0.3174,
0.4831

 1.4537, 0.0000,
1.0000

 169.5089, 0.3182,
0.4708

 0.2558, 0.0000,
1.0000

 208.9983, 0.3188,

 0.0000, 0.0000,

0.4603

0.0000

254.1887, 0.3191,
0.4512

■ 30.7672, 0.3002,
0.5937

■ 30.7672, 0.3002,
0.5937

■ 30.6607, 0.2999,
0.5997

■ 31.0280, 0.3008,
0.5797

■ 31.4826, 0.3018,
0.5574

■ 32.1607, 0.3031,
0.5281

■ 33.0860, 0.3047,
0.4945

■ 34.2792, 0.3064,
0.4592

■ 35.7587, 0.3080,
0.4245

■ 37.5415, 0.3096,
0.3919

■ 39.6430, 0.3111,
0.3623

■ 42.0779, 0.3124,
0.3361

Harmonies

Analogous

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



30.7672, 0.4170, 0.5523



30.7672, 0.3002, 0.5937



30.7672, 0.1918, 0.4876

Triad

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



30.7672, 0.3002, 0.5937



30.7672, 0.1196, 0.1524



30.7672, 0.5395, 0.2895

Complementary

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



30.7672, 0.3002, 0.5937



12.4522, 0.3218, 0.1572

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.



30.7672, 0.4123, 0.2196



30.7672, 0.3002, 0.5937



30.7672, 0.1710, 0.1453

Square

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



30.7672, 0.3002, 0.5937



30.7672, 0.1042, 0.1995



30.7672, 0.2696, 0.1684



30.7672, 0.5748, 0.3671

Rectangle

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



30.7672, 0.3002, 0.5937



30.7672, 0.1409, 0.3667



30.7672, 0.2696, 0.1684



30.7672, 0.5047, 0.2651

Sweetspot

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



30.7685, 0.3002, 0.5937



65.4085, 0.3088, 0.4095



39.8001, 0.4178, 0.5027



14.2506, 0.3081, 0.4237



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.7685, 0.3002, 0.5937



54.9129, 0.2999, 0.5998



31.5413, 0.2703, 0.4875



8.9399, 0.3116, 0.3523



21.9580, 0.2999, 0.5997



0.6110, 0.2995, 0.5981

Inverse Universe

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



12.4522, 0.3218, 0.1572



21.8135, 0.3220, 0.1547



10.1858, 0.4783, 0.2458



8.1475, 0.3138, 0.3067



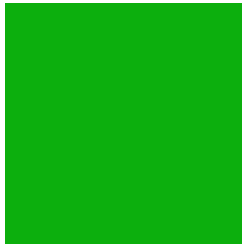
8.7229, 0.3220, 0.1547



0.2428, 0.3216, 0.1545

Previews

White Background



This preview shows how the Yxy color 30.7672, 0.3002, 0.5937 looks on a white background.

Color Contrast Check

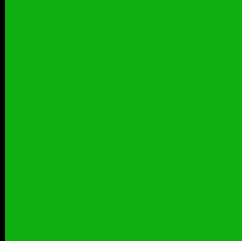
Large Text (above 18pt) WCAG AA × Fail

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 30.7672, 0.3002, 0.5937 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 30.7672, 0.3002, 0.5937

Background



This preview shows how black text looks on a background with the Yxy color 30.7672, 0.3002, 0.5937.



This preview shows how white text looks on a background with the Yxy color 30.7672, 0.3002, 0.5937.

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

30.7672, 0.3002, 0.5937

Protanopia

30.2477, 0.4404, 0.4885

Deuteranopia

30.1906, 0.4583, 0.4493



Tritanopia

30.7848, 0.2369, 0.3069

Trichromacy



Original Color

30.7672, 0.3002, 0.5937



Protanomaly

28.2520, 0.3678, 0.5438



Deuteranomaly

27.4900, 0.3788, 0.5180



Tritanomaly

29.6519, 0.2647, 0.4256

Monochromacy



Original Color

30.7672, 0.3002, 0.5937



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

18.4000, 0.3065, 0.4622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7672, 0.3002, 0.5937 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(12, 175, 13)` looks like.

```
.text, #text, p{  
    color:rgb(12, 175, 13)  
}
```

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(12, 175, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 175, 13) }
```

Border

The CSS property to change the border of an element to Yxy 30.7672, 0.3002, 0.5937 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(12, 175, 13) }
```

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

```
.border{ border-color:rgb(12, 175, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 175, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 175, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 175, 13);  
box-shadow:4px 4px 4px 4px rgb(12, 175,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7672, 0.3002, 0.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 175, 13) }
```

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

```
.background{ background-color: rgb(12, 175,  
13) }
```

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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