

Converting Colors

$Y_{xy}(30.4025, 0.2963, 0.5870)$

Have a look what the booklet for
Yxy(30.4025, 0.2963, 0.5870)
contains.

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Color

Yxy(30.3467, 0.2964, 0.5870)

Conversions

Conversions Part 1

Format	Color
Hex	00AE1A
RGB	0, 174, 26
RGB Percent	0%, 68%, 10%
CMY	0.9997, 0.3176, 0.8980
CMYK	1.00, 0.00, 0.85, 0.32
HSL	129°, 100%, 34%
HSV	129°, 100%, 68%
XYZ	15.3233, 30.3467, 6.0280
YIQ	105.1020, -56.1960, -82.9160

Conversions

Conversions Part 2

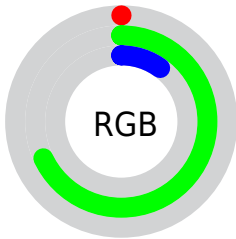
Format	Color
RYB	0, 151, 174
Decimal	44570
CIELab	61.95, -63.87, 58.17
CIELCh	62, 86.394, 137.673
Yxy	30.3467, 0.2964, 0.5870
Android (android.graphics.Color)	4278234650 (0xFF00AE1A)
YUV	105.1020, -38.9973, -92.1745
Hunter-Lab	55.0878, -46.7520, 32.0737

Details

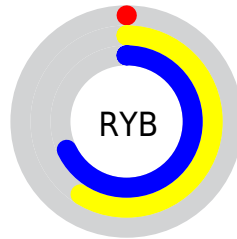
The Yxy color **30.3467, 0.2964, 0.5870** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.1401, 0.3624, 0.1770**, and the grayscale version is **14.2819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2945, 0.3081, 0.5302**, and **13.4329, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.3472, 0.2964, 0.5870**, and if you desaturate by 10%, it is **30.5553, 0.2950, 0.5714**.

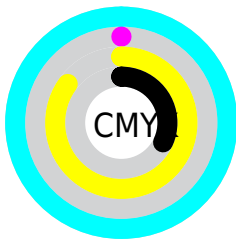
Distribution



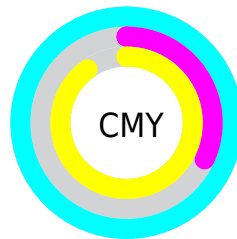
- Red (0%)
- Green (68%)
- Blue (10%)



- Red (0%)
- Yellow (59%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3467, 0.2964, 0.5870 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 30.3467, 0.2964, 0.5870 by changing the saturation by 10% instead.


 30.3467, 0.2964,
0.5870


 30.3467, 0.2964,
0.5870


303.5172, 0.3165,
0.4394


 20.1019, 0.2852,
0.6276


 60.2100, 0.3078,
0.5297


 12.4691, 0.2664,
0.6797


 80.5973, 0.3108,
0.5091


 7.0640, 0.2387,
0.7613


 105.1343, 0.3127,
0.4922

 3.5022, 0.1765,
0.8235

 134.2052, 0.3141,
0.4781

 1.3992, 0.0000,
1.0000

 168.1946, 0.3151,
0.4661

 0.2161, 0.0000,
1.0000

 207.4868, 0.3157,

 0.0000, 0.0000,

0.4559

0.0000

252.4662, 0.3162,
0.4471

■ 30.3467, 0.2964,
0.5870

■ 30.3467, 0.2964,
0.5870

■ 30.3472, 0.2964,
0.5870

■ 30.5553, 0.2950,
0.5714

■ 30.9098, 0.2940,
0.5497

■ 31.4578, 0.2940,
0.5230

■ 32.2223, 0.2951,
0.4930

■ 33.2234, 0.2971,
0.4617

■ 34.4784, 0.2997,
0.4308

■ 36.0033, 0.3028,
0.4015

■ 37.8126, 0.3061,
0.3746

■ 39.9200, 0.3094,
0.3504

Harmonies

Analogous

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



30.3467, 0.4119, 0.5530



30.3467, 0.2964, 0.5870



30.3467, 0.1902, 0.4766

Triad

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



30.3467, 0.2964, 0.5870



30.3467, 0.1234, 0.1538



30.3467, 0.5392, 0.2940

Complementary

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



30.3467, 0.2964, 0.5870



11.1401, 0.3624, 0.1770

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.



30.3467, 0.4171, 0.2241



30.3467, 0.2964, 0.5870



30.3467, 0.1763, 0.1480

Square

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



30.3467, 0.2964, 0.5870



30.3467, 0.1068, 0.1987



30.3467, 0.2760, 0.1723



30.3467, 0.5701, 0.3715

Rectangle

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



30.3467, 0.2964, 0.5870



30.3467, 0.1411, 0.3588



30.3467, 0.2760, 0.1723



30.3467, 0.5062, 0.2696

Sweetspot

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



30.3480, 0.2964, 0.5870



65.1334, 0.3026, 0.4031



36.8342, 0.3961, 0.5236



14.2116, 0.3013, 0.4151



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.



30.3480, 0.2964, 0.5870



55.0255, 0.2969, 0.5890



31.4040, 0.2592, 0.4532



8.9581, 0.3097, 0.3489



22.0163, 0.2960, 0.5857



0.6183, 0.2836, 0.5409

Inverse Universe

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



11.1401, 0.3624, 0.1770



20.1769, 0.3632, 0.1775



9.3688, 0.5500, 0.2804



8.1272, 0.3159, 0.3099



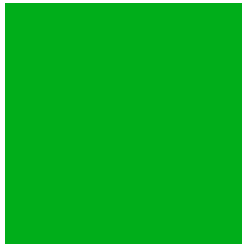
8.0853, 0.3619, 0.1767



0.2304, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 30.3467, 0.2964, 0.5870 looks on a white background.

Color Contrast Check

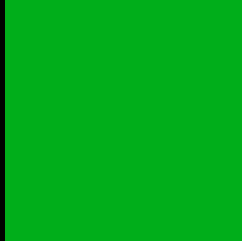
Large Text (above 18pt) WCAG AA × Fail

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 30.3467, 0.2964, 0.5870 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 30.3467, 0.2964, 0.5870

Background



This preview shows how black text looks on a background with the Yxy color 30.3467, 0.2964, 0.5870.



This preview shows how white text looks on a background with the Yxy color 30.3467, 0.2964, 0.5870.

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

30.3467, 0.2964, 0.5870

Protanopia

29.8667, 0.4368, 0.4830

Deuteranopia

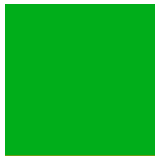
29.6783, 0.4546, 0.4460



Tritanopia

30.3523, 0.2366, 0.3068

Trichromacy



Original Color

30.3467, 0.2964, 0.5870



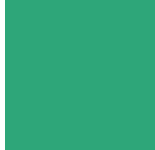
Protanomaly

27.6374, 0.3601, 0.5399



Deuteranomaly

26.7740, 0.3696, 0.5151



Tritanomaly

29.2338, 0.2594, 0.4163

Monochromacy



Original Color

30.3467, 0.2964, 0.5870



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.6804, 0.2981, 0.4543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3467, 0.2964, 0.5870 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, 174, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 26)  
}
```

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, 174, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 26) }
```

Border

The CSS property to change the border of an element to Yxy 30.3467, 0.2964, 0.5870 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, 174, 26) }
```

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

```
.border{ border-color:rgb(0, 174, 26) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 174, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.3467, 0.2964, 0.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 26) }
```

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

```
.background{ background-color: rgb(0, 174,  
26) }
```

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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