

Converting Colors

$Y_{xy}(31.3483, 0.3584, 0.5285)$

Have a look what the booklet for
Yxy(31.3483, 0.3584, 0.5285)
contains.

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Color

Yxy(31.4840, 0.3587, 0.5288)

Conversions

Conversions Part 1

Format	Color
Hex	74A725
RGB	116, 167, 37
RGB Percent	45%, 65%, 15%
CMY	0.5450, 0.3451, 0.8551
CMYK	0.31, 0.00, 0.78, 0.35
HSL	84°, 64%, 40%
HSV	84°, 78%, 65%
XYZ	21.3565, 31.4840, 6.6981
YIQ	136.9310, 11.3340, -51.2420

Conversions

Conversions Part 2

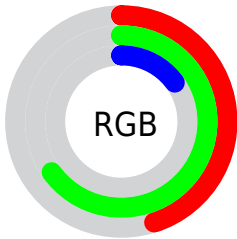
Format	Color
RYB	37, 167, 88
Decimal	7644965
CIELab	62.91, -36.17, 57.11
CIELCh	63, 67.601, 122.352
Yxy	31.4840, 0.3587, 0.5288
Android (android.graphics.Color)	4285835045 (0xFF74A725)
YUV	136.9310, -49.2660, -18.3565
Hunter-Lab	56.1106, -30.2539, 32.1998

Details

The Yxy color **31.4840, 0.3587, 0.5288** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1828, 0.2120, 0.1125**, and the grayscale version is **25.1760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8035, 0.3557, 0.4873**, and **13.2536, 0.3436, 0.5654** is the 20% darker color. If you saturate the color by 10%, you get **30.9704, 0.3572, 0.5446**, and if you desaturate by 10%, it is **32.0800, 0.3578, 0.5083**.

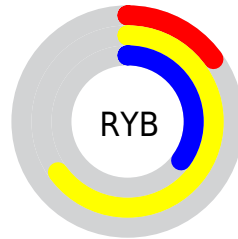
Distribution



Red (45%)

Green (65%)

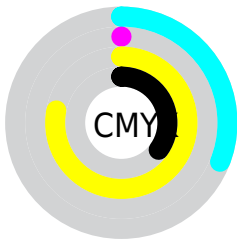
Blue (15%)



Red (15%)

Yellow (65%)

Blue (35%)

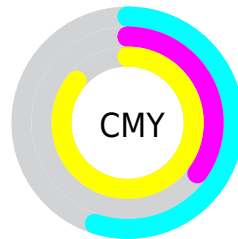


Cyan (31%)

Magenta (0%)

Yellow (78%)

Black (35%)



Cyan (55%)


Magenta (35%)


Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4840, 0.3587, 0.5288 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 31.4840, 0.3587, 0.5288 by changing the saturation by 10% instead.

 31.4840, 0.3587,
0.5288


 31.4840, 0.3587,
0.5288


 308.7619, 0.3425,
0.4199

 20.9677, 0.3584,
0.5567

 62.0013, 0.3556,
0.4881

 13.1004, 0.3545,
0.5915


 82.7710, 0.3534,
0.4730

 7.4977, 0.3508,
0.6492


 107.7274, 0.3513,
0.4604

 3.7753, 0.3144,
0.6856

 137.2547, 0.3493,
0.4498

 1.5487, 0.2350,
0.7650

 171.7375, 0.3474,
0.4407

 0.3226, 0.0000,
1.0000

 211.5600, 0.3457,

 0.0000, 0.0000,

0.4328

0.0000

257.1067, 0.3440,
0.4259

■ 31.4840, 0.3587,
0.5288

■ 31.4840, 0.3587,
0.5288

■ 30.9704, 0.3572,
0.5446

■ 32.0800, 0.3578,
0.5083

■ 30.5247, 0.3537,
0.5558

■ 32.7606, 0.3547,
0.4841

■ 30.4350, 0.3529,
0.5580

■ 33.5328, 0.3497,
0.4573

■ 34.4016, 0.3432,
0.4294

■ 35.3716, 0.3357,
0.4013

■ 36.4471, 0.3276,
0.3740

■ 37.6319, 0.3192,
0.3481

■ 38.9298, 0.3110,
0.3240

■ 40.3444, 0.3029,
0.3019

Harmonies

Analogous

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



31.4840, 0.4488, 0.4839



31.4840, 0.3587, 0.5288



31.4840, 0.2622, 0.4932

Triad

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



31.4840, 0.3587, 0.5288



31.4840, 0.1433, 0.2015



31.4840, 0.4471, 0.2732

Complementary

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



31.4840, 0.3587, 0.5288



6.1828, 0.2120, 0.1125

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.



31.4840, 0.3379, 0.2186



31.4840, 0.3587, 0.5288



31.4840, 0.1732, 0.1779

Square

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



31.4840, 0.3587, 0.5288



31.4840, 0.1458, 0.2662



31.4840, 0.2382, 0.1851



31.4840, 0.5141, 0.3396

Rectangle

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



31.4840, 0.3587, 0.5288



31.4840, 0.2069, 0.4203



31.4840, 0.2382, 0.1851



31.4840, 0.4127, 0.2532

Sweetspot

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



31.4854, 0.3587, 0.5288



64.1812, 0.3321, 0.3890



15.1346, 0.5117, 0.3938



14.2154, 0.3349, 0.3986



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.4854, 0.3587, 0.5288



54.9115, 0.3549, 0.5525



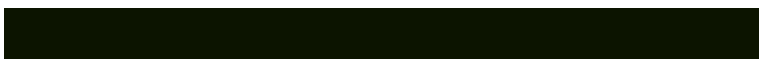
28.5047, 0.3084, 0.5644



8.6248, 0.3204, 0.3517



23.3179, 0.3535, 0.5575



0.5956, 0.3757, 0.5399

Inverse Universe

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



6.1828, 0.2120, 0.1125



7.7336, 0.1899, 0.0849



10.7698, 0.2984, 0.1564



7.4386, 0.3045, 0.3061



3.0340, 0.1849, 0.0792



0.1036, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 31.4840, 0.3587, 0.5288 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 31.4840, 0.3587, 0.5288 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 31.4840, 0.3587, 0.5288

Background



This preview shows how black text looks on a background with the Yxy color 31.4840, 0.3587, 0.5288.



This preview shows how white text looks on a background with the Yxy color 31.4840, 0.3587, 0.5288.

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

31.4840, 0.3587, 0.5288

Protanopia

31.2242, 0.4320, 0.4767

Deuteranopia

31.1071, 0.4536, 0.4445



Tritanopia

31.5096, 0.2802, 0.3101

Trichromacy



Original Color

31.4840, 0.3587, 0.5288

Protanomaly

30.8087, 0.4046, 0.4965

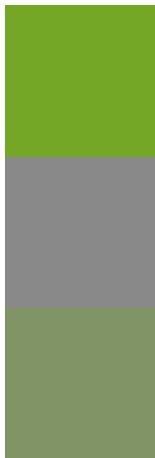
Deuteranomaly

30.4249, 0.4182, 0.4750

Tritanomaly

30.9333, 0.3152, 0.3969

Monochromacy



Original Color

31.4840, 0.3587, 0.5288

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.7865, 0.3378, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4840, 0.3587, 0.5288 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(116, 167, 37)` looks like.

```
.text, #text, p{  
    color:rgb(116, 167, 37)  
}
```

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(116, 167, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 167, 37) }
```

Border

The CSS property to change the border of an element to Yxy 31.4840, 0.3587, 0.5288 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(116, 167, 37) }
```

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

```
.border{ border-color:rgb(116, 167, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 167, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 167, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 167, 37);  
box-shadow:4px 4px 4px 4px rgb(116, 167,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4840, 0.3587, 0.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 167, 37) }
```

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

```
.background{ background-color: rgb(116,  
167, 37) }
```

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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