

Converting Colors

$Y_{xy}(30.4815, 0.3528, 0.5404)$

Have a look what the booklet for
Yxy(30.4815, 0.3528, 0.5404)
contains.

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Color

Yxy(30.4869, 0.3532, 0.5405)

Conversions

Conversions Part 1

Format	Color
Hex	6BA61D
RGB	107, 166, 29
RGB Percent	42%, 65%, 11%
CMY	0.5803, 0.3490, 0.8863
CMYK	0.36, 0.00, 0.83, 0.35
HSL	86°, 70%, 38%
HSV	86°, 83%, 65%
XYZ	19.9222, 30.4869, 5.9959
YIQ	132.7410, 8.8130, -55.1150

Conversions

Conversions Part 2

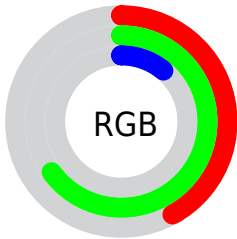
Format	Color
RYB	29, 166, 88
Decimal	7054877
CIELab	62.07, -39.51, 58.52
CIELCh	62, 70.606, 124.026
Yxy	30.4869, 0.3532, 0.5405
Android (android.graphics.Color)	4285244957 (0xFF6BA61D)
YUV	132.7410, -51.1443, -22.5749
Hunter-Lab	55.2149, -32.2211, 32.2121

Details

The Yxy color **30.4869, 0.3532, 0.5405** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.7052, 0.2115, 0.1064**, and the grayscale version is **23.5445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1876, 0.3520, 0.4964**, and **12.7384, 0.3327, 0.5740** is the 20% darker color. If you saturate the color by 10%, you get **30.0022, 0.3502, 0.5546**, and if you desaturate by 10%, it is **31.0552, 0.3539, 0.5214**.

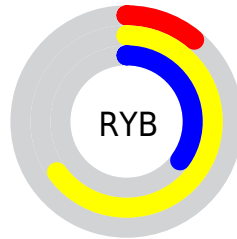
Distribution



Red (42%)

Green (65%)

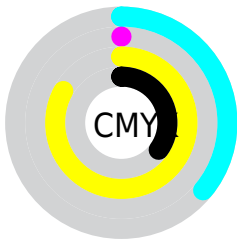
Blue (11%)



Red (11%)

Yellow (65%)

Blue (35%)

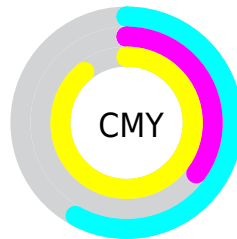


Cyan (36%)

Magenta (0%)

Yellow (83%)

Black (35%)



Cyan (58%)


Magenta (35%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4869, 0.3532, 0.5405 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 30.4869, 0.3532, 0.5405 by changing the saturation by 10% instead.

 30.4869, 0.3532,
0.5405


 30.4869, 0.3532,
0.5405


304.1675, 0.3408,
0.4243


 20.2085, 0.3513,
0.5704


 60.4313, 0.3518,
0.4969


 12.5467, 0.3449,
0.6076


 80.8661, 0.3503,
0.4808


 7.1171, 0.3350,
0.6650


 105.4551, 0.3486,
0.4673

 3.5355, 0.2938,
0.7062

 134.5828, 0.3469,
0.4560

 1.4173, 0.1775,
0.8225

 168.6334, 0.3452,
0.4463

 0.2294, 0.0000,
1.0000

 207.9915, 0.3437,

 0.0000, 0.0000,

0.4380

0.0000

253.0414, 0.3422,
0.4307

■ 30.4869, 0.3532,
0.5405

■ 30.4869, 0.3532,
0.5405

■ 30.0022, 0.3502,
0.5546

■ 31.0552, 0.3539,
0.5214

■ 29.6809, 0.3470,
0.5626

■ 31.7100, 0.3524,
0.4980

■ 32.4589, 0.3489,
0.4716

■ 33.3072, 0.3436,
0.4435

■ 34.2598, 0.3372,
0.4149

■ 35.3212, 0.3300,
0.3868

■ 36.4956, 0.3224,
0.3601

■ 37.7869, 0.3147,
0.3350

■ 39.1989, 0.3071,
0.3120

Harmonies

Analogous

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



30.4869, 0.4485, 0.4933



30.4869, 0.3532, 0.5405



30.4869, 0.2532, 0.4987

Triad

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



30.4869, 0.3532, 0.5405



30.4869, 0.1374, 0.1930



30.4869, 0.4600, 0.2737

Complementary

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



30.4869, 0.3532, 0.5405



5.7052, 0.2115, 0.1064

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.



30.4869, 0.3454, 0.2164



30.4869, 0.3532, 0.5405



30.4869, 0.1700, 0.1712

Square

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



30.4869, 0.3532, 0.5405



30.4869, 0.1377, 0.2569



30.4869, 0.2393, 0.1804



30.4869, 0.5263, 0.3423

Rectangle

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



30.4869, 0.3532, 0.5405



30.4869, 0.1970, 0.4182



30.4869, 0.2393, 0.1804



30.4869, 0.4243, 0.2528

Sweetspot

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



30.4882, 0.3532, 0.5405



63.5183, 0.3322, 0.3949



14.8639, 0.5189, 0.4000



14.0679, 0.3346, 0.4044



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.



30.4882, 0.3532, 0.5405



53.8137, 0.3463, 0.5627



27.8211, 0.3052, 0.5757



8.6106, 0.3199, 0.3517



23.0435, 0.3476, 0.5622



0.5900, 0.3716, 0.5432

Inverse Universe

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



5.7052, 0.2115, 0.1064



7.4530, 0.1896, 0.0822



10.5590, 0.3038, 0.1545



7.4526, 0.3051, 0.3061



3.2142, 0.1913, 0.0827



0.1086, 0.2312, 0.1047

Previews

White Background



This preview shows how the Yxy color 30.4869, 0.3532, 0.5405 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 30.4869, 0.3532, 0.5405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

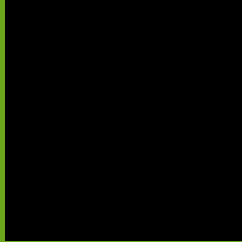
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4869, 0.3532, 0.5405

Background



This preview shows how black text looks on a background with the Yxy color 30.4869, 0.3532, 0.5405.



This preview shows how white text looks on a background with the Yxy color 30.4869, 0.3532, 0.5405.

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

30.4869, 0.3532, 0.5405

Protanopia

30.2077, 0.4339, 0.4814

Deuteranopia

30.0780, 0.4562, 0.4486



Tritanopia

30.5178, 0.2741, 0.3097

Trichromacy



Original Color

30.4869, 0.3532, 0.5405

Protanomaly

29.9625, 0.4029, 0.5045

Deuteranomaly

29.5359, 0.4171, 0.4831

Tritanomaly

29.9322, 0.3102, 0.4023

Monochromacy



Original Color

30.4869, 0.3532, 0.5405

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.3621, 0.3389, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4869, 0.3532, 0.5405 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(107, 166, 29)` looks like.

```
.text, #text, p{  
    color:rgb(107, 166, 29)  
}
```

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(107, 166, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 166, 29) }
```

Border

The CSS property to change the border of an element to Yxy 30.4869, 0.3532, 0.5405 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(107, 166, 29) }
```

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

```
.border{ border-color:rgb(107, 166, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 166, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 166, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 166, 29);  
box-shadow:4px 4px 4px 4px rgb(107, 166,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4869, 0.3532, 0.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 166, 29) }
```

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

```
.background{ background-color: rgb(107,  
166, 29) }
```

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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