

Converting Colors

$Y_{xy}(30.8347, 0.3620, 0.5279)$

Have a look what the booklet for
Yxy(30.8347, 0.3620, 0.5279)
contains.

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Color

Yxy(30.8135, 0.3616, 0.5282)

Conversions

Conversions Part 1

Format	Color
Hex	75A523
RGB	117, 165, 35
RGB Percent	46%, 65%, 14%
CMY	0.5412, 0.3529, 0.8626
CMYK	0.29, 0.00, 0.79, 0.35
HSL	82°, 65%, 39%
HSV	82°, 79%, 65%
XYZ	21.0946, 30.8135, 6.4287
YIQ	135.8280, 13.1220, -50.6060

Conversions

Conversions Part 2

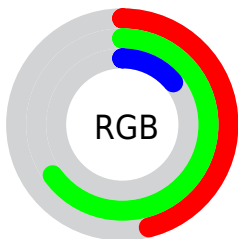
Format	Color
RYB	35, 165, 83
Decimal	7709987
CIELab	62.35, -34.99, 57.21
CIElCh	62, 67.060, 121.452
Yxy	30.8135, 0.3616, 0.5282
Android (android.graphics.Color)	4285900067 (0xFF75A523)
YUV	135.8280, -49.7082, -16.5122
Hunter-Lab	55.5099, -29.3097, 31.9904

Details

The Yxy color **30.8135, 0.3616, 0.5282** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.7626, 0.2074, 0.1090**, and the grayscale version is **24.7406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8260, 0.3582, 0.4873**, and **12.8344, 0.3463, 0.5632** is the 20% darker color. If you saturate the color by 10%, you get **30.3302, 0.3602, 0.5432**, and if you desaturate by 10%, it is **31.3732, 0.3606, 0.5085**.

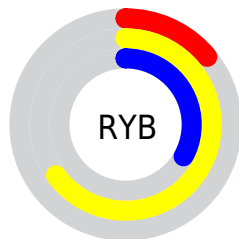
Distribution



Red (46%)

Green (65%)

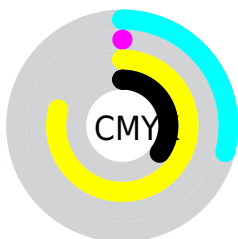
Blue (14%)



Red (14%)

Yellow (65%)

Blue (33%)

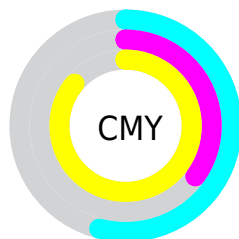


Cyan (29%)

Magenta (0%)

Yellow (79%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8135, 0.3616, 0.5282 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 30.8135, 0.3616, 0.5282 by changing the saturation by 10% instead.

 30.8135, 0.3616,
0.5282

 30.8135, 0.3616,
0.5282


305.6782, 0.3439,
0.4196

 20.4569, 0.3616,
0.5559


 60.9463, 0.3579,
0.4876

 12.7276, 0.3580,
0.5904


 81.4913, 0.3556,
0.4726


 7.2412, 0.3538,
0.6462


 106.2012, 0.3533,
0.4600

 3.6134, 0.3177,
0.6823

 135.4604, 0.3511,
0.4494

 1.4598, 0.2338,
0.7662

 169.6533, 0.3491,
0.4403

 0.2601, 0.0000,
1.0000

 209.1643, 0.3472,

 0.0000, 0.0000,

0.4325

0.0000

254.3778, 0.3455,
0.4256

■ 30.8135, 0.3616,
0.5282

■ 30.8135, 0.3616,
0.5282

■ 30.3302, 0.3602,
0.5432

■ 31.3732, 0.3606,
0.5085

■ 29.9076, 0.3569,
0.5539

■ 32.0113, 0.3573,
0.4850

■ 29.8578, 0.3565,
0.5552

■ 32.7346, 0.3520,
0.4588

■ 33.5479, 0.3452,
0.4313

■ 34.4556, 0.3374,
0.4035

■ 35.4618, 0.3290,
0.3763

■ 36.5701, 0.3203,
0.3503

■ 37.7842, 0.3117,
0.3261

■ 39.1074, 0.3033,
0.3038

Harmonies

Analogous

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



30.8135, 0.4511, 0.4818



30.8135, 0.3616, 0.5282



30.8135, 0.2650, 0.4955

Triad

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



30.8135, 0.3616, 0.5282



30.8135, 0.1430, 0.2029



30.8135, 0.4441, 0.2714

Complementary

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



30.8135, 0.3616, 0.5282



5.7626, 0.2074, 0.1090

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.



30.8135, 0.3346, 0.2173



30.8135, 0.3616, 0.5282



30.8135, 0.1719, 0.1782

Square

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



30.8135, 0.3616, 0.5282



30.8135, 0.1465, 0.2690



30.8135, 0.2358, 0.1846



30.8135, 0.5130, 0.3375

Rectangle

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



30.8135, 0.3616, 0.5282



30.8135, 0.2092, 0.4240



30.8135, 0.2358, 0.1846



30.8135, 0.4094, 0.2515

Sweetspot

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



30.8149, 0.3616, 0.5282



62.4614, 0.3338, 0.3916



14.2612, 0.5175, 0.3907



13.5252, 0.3366, 0.4009



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.8149, 0.3616, 0.5282



53.7094, 0.3575, 0.5517



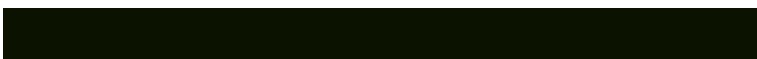
27.7732, 0.3093, 0.5654



8.1059, 0.3207, 0.3516



22.6156, 0.3571, 0.5547



0.5007, 0.3805, 0.5361

Inverse Universe

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



5.7626, 0.2074, 0.1090



7.0708, 0.1842, 0.0809



10.1870, 0.2950, 0.1537



6.9814, 0.3042, 0.3062



2.8310, 0.1815, 0.0773



0.0857, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 30.8135, 0.3616, 0.5282 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 30.8135, 0.3616, 0.5282 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 30.8135, 0.3616, 0.5282

Background



This preview shows how black text looks on a background with the Yxy color 30.8135, 0.3616, 0.5282.



This preview shows how white text looks on a background with the Yxy color 30.8135, 0.3616, 0.5282.

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

30.8135, 0.3616, 0.5282

Protanopia

30.6672, 0.4318, 0.4784

Deuteranopia

30.5335, 0.4538, 0.4462



Tritanopia

30.7699, 0.2816, 0.3100

Trichromacy



Original Color

30.8135, 0.3616, 0.5282

Protanomaly

30.3652, 0.4052, 0.4977

Deuteranomaly

29.9818, 0.4191, 0.4763

Tritanomaly

30.2738, 0.3181, 0.3971

Monochromacy



Original Color

30.8135, 0.3616, 0.5282

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.4354, 0.3400, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8135, 0.3616, 0.5282 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(117, 165, 35)` looks like.

```
.text, #text, p{  
    color:rgb(117, 165, 35)  
}
```

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(117, 165, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 165, 35) }
```

Border

The CSS property to change the border of an element to Yxy 30.8135, 0.3616, 0.5282 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(117, 165, 35) }
```

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

```
.border{ border-color:rgb(117, 165, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 165, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 165, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 165, 35);  
box-shadow:4px 4px 4px 4px rgb(117, 165,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8135, 0.3616, 0.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 165, 35) }
```

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

```
.background{ background-color: rgb(117,  
165, 35) }
```

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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