

Converting Colors

$Y_{xy}(31.3259, 0.3404, 0.5302)$

Have a look what the booklet for
Yxy(31.3259, 0.3404, 0.5302)
contains.

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Color

Yxy(31.4060, 0.3405, 0.5298)

Conversions

Conversions Part 1

Format	Color
Hex	66A92F
RGB	102, 169, 47
RGB Percent	40%, 66%, 18%
CMY	0.5998, 0.3373, 0.8156
CMYK	0.40, 0.00, 0.72, 0.34
HSL	93°, 56%, 42%
HSV	93°, 72%, 66%
XYZ	20.1845, 31.4060, 7.6885
YIQ	135.0590, -0.7700, -52.1460

Conversions

Conversions Part 2

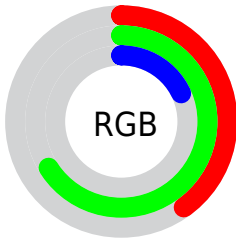
Format	Color
RYB	47, 169, 114
Decimal	6727983
CIELab	62.85, -41.56, 53.28
CIElCh	63, 67.572, 127.954
Yxy	31.4060, 0.3405, 0.5298
Android (android.graphics.Color)	4284918063 (0xFF66A92F)
YUV	135.0590, -43.4131, -28.9927
Hunter-Lab	56.0411, -33.7809, 31.0945

Details

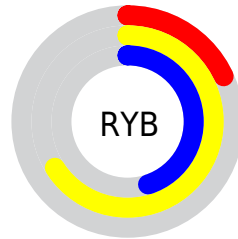
The Yxy color **31.4060, 0.3405, 0.5298** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.4737, 0.2439, 0.1368**, and the grayscale version is **24.4209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0591, 0.3404, 0.4870**, and **13.0487, 0.3255, 0.5797** is the 20% darker color. If you saturate the color by 10%, you get **30.7841, 0.3385, 0.5509**, and if you desaturate by 10%, it is **32.1441, 0.3405, 0.5042**.

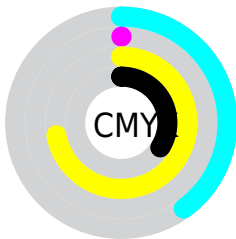
Distribution



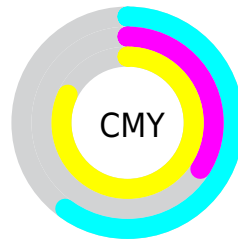
- Red (40%)
- Green (66%)
- Blue (18%)



- Red (18%)
- Yellow (66%)
- Blue (45%)



- Cyan (40%)
- Magenta (0%)
- Yellow (72%)
- Black (34%)





- Cyan (60%)
- Magenta (34%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4060, 0.3405, 0.5298 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 31.4060, 0.3405, 0.5298 by changing the saturation by 10% instead.


 31.4060, 0.3405,
0.5298


 31.4060, 0.3405,
0.5298


 308.4044, 0.3333,
0.4183

 20.9082, 0.3383,
0.5597


 61.8787, 0.3404,
0.4873

 13.0569, 0.3323,
0.5980


 82.6224, 0.3395,
0.4718

 7.4678, 0.3227,
0.6567


 107.5502, 0.3385,
0.4590

 3.7563, 0.2877,
0.7123

 137.0465, 0.3374,
0.4482

 1.5382, 0.1799,
0.8201

 171.4957, 0.3363,
0.4391

 0.3154, 0.0000,
1.0000

 211.2821, 0.3352,

 0.0000, 0.0000,

0.4312

0.0000

256.7902, 0.3342,
0.4243

■ 31.4060, 0.3405,
0.5298

■ 31.4060, 0.3405,
0.5298

■ 30.7841, 0.3385,
0.5509

■ 32.1441, 0.3405,
0.5042

■ 30.2658, 0.3345,
0.5665

■ 33.0017, 0.3387,
0.4757

■ 29.9210, 0.3307,
0.5757

■ 33.9867, 0.3353,
0.4457

■ 35.1052, 0.3308,
0.4157

■ 36.3626, 0.3255,
0.3867

■ 37.7644, 0.3198,
0.3594

■ 39.3153, 0.3140,
0.3342

■ 41.0200, 0.3082,
0.3113

■ 42.8830, 0.3026,
0.2906

Harmonies

Analogous

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



31.4060, 0.4335, 0.4959



31.4060, 0.3405, 0.5298



31.4060, 0.2454, 0.4758

Triad

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



31.4060, 0.3405, 0.5298



31.4060, 0.1463, 0.1943



31.4060, 0.4644, 0.2850

Complementary

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



31.4060, 0.3405, 0.5298



8.4737, 0.2439, 0.1368

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.



31.4060, 0.3590, 0.2274



31.4060, 0.3405, 0.5298



31.4060, 0.1825, 0.1770

Square

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



31.4060, 0.3405, 0.5298



31.4060, 0.1427, 0.2504



31.4060, 0.2545, 0.1894



31.4060, 0.5188, 0.3527

Rectangle

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



31.4060, 0.3405, 0.5298



31.4060, 0.1940, 0.3967



31.4060, 0.2545, 0.1894



31.4060, 0.4325, 0.2642

Sweetspot

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



31.4074, 0.3405, 0.5298



65.0758, 0.3256, 0.3873



20.2441, 0.4693, 0.4189



14.0525, 0.3270, 0.3946



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.



31.4074, 0.3405, 0.5298



54.5225, 0.3362, 0.5615



29.2190, 0.3005, 0.5501



8.5672, 0.3181, 0.3519



22.3320, 0.3314, 0.5751



0.5739, 0.3590, 0.5532

Inverse Universe

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



8.4737, 0.2439, 0.1368



10.9902, 0.2249, 0.1077



13.1829, 0.3257, 0.1777



7.4958, 0.3069, 0.3063



3.8921, 0.2138, 0.0952



0.1244, 0.2492, 0.1147

Previews

White Background



This preview shows how the Yxy color 31.4060, 0.3405, 0.5298 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 31.4060, 0.3405, 0.5298 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 31.4060, 0.3405, 0.5298

Background



This preview shows how black text looks on a background with the Yxy color 31.4060, 0.3405, 0.5298.



This preview shows how white text looks on a background with the Yxy color 31.4060, 0.3405, 0.5298.

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

31.4060, 0.3405, 0.5298

Protanopia

31.1769, 0.4264, 0.4707

Deuteranopia

31.0607, 0.4467, 0.4378



Tritanopia

31.3491, 0.2690, 0.3097

Trichromacy



Original Color

31.4060, 0.3405, 0.5298

Protanomaly

30.6553, 0.3927, 0.4942

Deuteranomaly

30.2076, 0.4054, 0.4722

Tritanomaly

30.8320, 0.2989, 0.3934

Monochromacy



Original Color

31.4060, 0.3405, 0.5298

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.0577, 0.3296, 0.4080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4060, 0.3405, 0.5298 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(102, 169, 47)` looks like.

```
.text, #text, p{  
    color:rgb(102, 169, 47)  
}
```

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(102, 169, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 169, 47) }
```

Border

The CSS property to change the border of an element to Yxy 31.4060, 0.3405, 0.5298 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(102, 169, 47) }
```

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

```
.border{ border-color:rgb(102, 169, 47) }
```

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

Here you see how a box with a 4 pixel rgb(102, 169, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 169, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 169, 47);  
box-shadow:4px 4px 4px 4px rgb(102, 169,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4060, 0.3405, 0.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 169, 47) }
```

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

```
.background{ background-color: rgb(102,  
169, 47) }
```

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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