

Converting Colors

$Y_{xy}(30.3891, 0.3259, 0.5794)$

Have a look what the booklet for
Yxy(30.3891, 0.3259, 0.5794)
contains.

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Color

Yxy(30.4279, 0.3256, 0.5797)

Conversions

Conversions Part 1

Format	Color
Hex	46AB00
RGB	70, 171, 0
RGB Percent	27%, 67%, 0%
CMY	0.7253, 0.3294, 1.0000
CMYK	0.59, 0.00, 1.00, 0.33
HSL	95°, 100%, 34%
HSV	95°, 100%, 67%
XYZ	17.0904, 30.4279, 4.9707
YIQ	121.3070, -5.3050, -74.5930

Conversions

Conversions Part 2

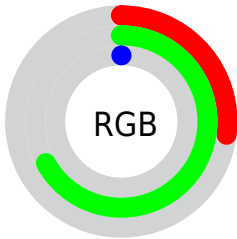
Format	Color
RYB	0, 171, 101
Decimal	4631296
CIELab	62.02, -54.09, 63.04
CIELCh	62, 83.064, 130.630
Yxy	30.4279, 0.3256, 0.5797
Android (android.graphics.Color)	4282821376 (0xFF46AB00)
YUV	121.3070, -59.8044, -44.9962
Hunter-Lab	55.1615, -41.2288, 33.2703

Details

The Yxy color **30.4279, 0.3256, 0.5797** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.7048, 0.2216, 0.0994**, and the grayscale version is **19.4278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1784, 0.3320, 0.5270**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.4293, 0.3256, 0.5797**, and if you desaturate by 10%, it is **30.8779, 0.3305, 0.5675**.

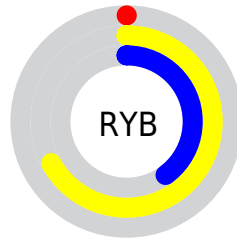
Distribution



Red (27%)

Green (67%)

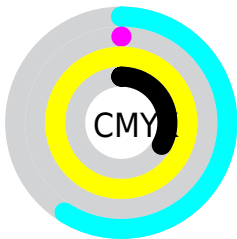
Blue (0%)



Red (0%)

Yellow (67%)

Blue (40%)

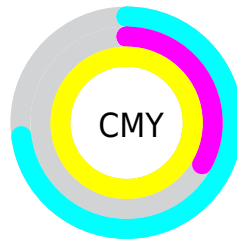


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (73%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4279, 0.3256, 0.5797 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 30.4279, 0.3256, 0.5797 by changing the saturation by 10% instead.


 30.4279, 0.3256,
0.5797


 30.4279, 0.3256,
0.5797


303.8939, 0.3311,
0.4397


 20.1636, 0.3176,
0.6161


 60.3382, 0.3319,
0.5267


 12.5140, 0.3030,
0.6622


 80.7530, 0.3329,
0.5072


 7.0948, 0.2770,
0.7230

 105.3201, 0.3331,
0.4911

 3.5214, 0.2223,
0.7777

 134.4239, 0.3330,
0.4774

 1.4096, 0.0000,
1.0000

 168.4488, 0.3327,
0.4659

 0.2238, 0.0000,
1.0000


 207.7792, 0.3322,


 0.0000, 0.0000,


0.4559


0.0000

 252.7994, 0.3316,
0.4472

 30.4279, 0.3256,
0.5797

 30.4279, 0.3256,
0.5797


 30.4293, 0.3256,
0.5797

 30.8779, 0.3305,
0.5675

 31.4277, 0.3343,
0.5503

 32.0954, 0.3363,
0.5276

 32.8902, 0.3364,
0.5005

 33.8199, 0.3347,
0.4709

■ 34.8917, 0.3317,
0.4402

■ 36.1120, 0.3277,
0.4099

■ 37.4871, 0.3230,
0.3809

■ 39.0226, 0.3179,
0.3538

Harmonies

Analogous

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



30.4279, 0.4367, 0.5284



30.4279, 0.3256, 0.5797



30.4279, 0.2170, 0.5060

Triad

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



30.4279, 0.3256, 0.5797



30.4279, 0.1216, 0.1653



30.4279, 0.5093, 0.2792

Complementary

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



30.4279, 0.3256, 0.5797



5.7048, 0.2216, 0.0994

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.



30.4279, 0.3802, 0.2134



30.4279, 0.3256, 0.5797



30.4279, 0.1645, 0.1514

Square

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



30.4279, 0.3256, 0.5797



30.4279, 0.1130, 0.2217



30.4279, 0.2505, 0.1685



30.4279, 0.5635, 0.3541

Rectangle

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



30.4279, 0.3256, 0.5797



30.4279, 0.1612, 0.3973



30.4279, 0.2505, 0.1685



30.4279, 0.4714, 0.2558

Sweetspot

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



30.4293, 0.3256, 0.5797



64.5521, 0.3279, 0.4115



17.7244, 0.5158, 0.4287



14.1898, 0.3297, 0.4238



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4293, 0.3256, 0.5797



54.3801, 0.3244, 0.5806



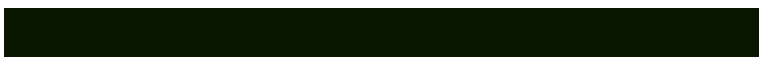
29.1582, 0.2984, 0.5941



9.0935, 0.3176, 0.3520



22.9685, 0.3263, 0.5791



0.6715, 0.3520, 0.5587

Inverse Universe

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



5.7048, 0.2216, 0.0994



10.0901, 0.2200, 0.0986



11.0837, 0.3429, 0.1663



7.9821, 0.3075, 0.3062



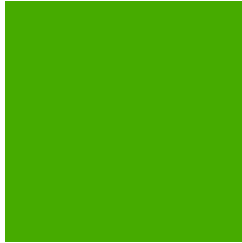
4.3320, 0.2225, 0.0999



0.1515, 0.2526, 0.1165

Previews

White Background



This preview shows how the Yxy color 30.4279, 0.3256, 0.5797 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 30.4279, 0.3256, 0.5797 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 30.4279, 0.3256, 0.5797

Background



This preview shows how black text looks on a background with the Yxy color 30.4279, 0.3256, 0.5797.

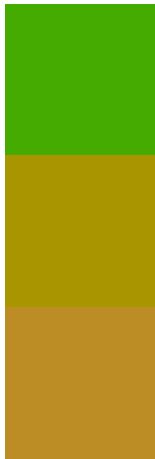


This preview shows how white text looks on a background with the Yxy color 30.4279, 0.3256, 0.5797.

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

30.4279, 0.3256, 0.5797

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7419, 0.4604, 0.4514



Tritanopia

30.3162, 0.2511, 0.3073

Trichromacy



Original Color

30.4279, 0.3256, 0.5797

Protanomaly

29.0195, 0.3918, 0.5271

Deuteranomaly

28.4476, 0.4056, 0.5041

Tritanomaly

29.3247, 0.2902, 0.4300

Monochromacy



Original Color

30.4279, 0.3256, 0.5797

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.8258, 0.3326, 0.4522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4279, 0.3256, 0.5797 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(70, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 171, 0)  
}
```

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(70, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4279, 0.3256, 0.5797 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(70, 171, 0) }
```

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

```
.border{ border-color:rgb(70, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 171, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.4279, 0.3256, 0.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 171, 0) }
```

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

```
.background{ background-color: rgb(70, 171,  
0) }
```

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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