

Converting Colors

$Yxy(31.4906, 0.3341, 0.5877)$

Have a look what the booklet for
Yxy(31.4906, 0.3341, 0.5877)
contains.

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Color

Yxy(31.4649, 0.3298, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	4DAD00
RGB	77, 173, 0
RGB Percent	30%, 68%, 0%
CMY	0.6979, 0.3216, 0.9996
CMYK	0.55, 0.00, 1.00, 0.32
HSL	93°, 100%, 34%
HSV	93°, 100%, 68%
XYZ	18.0065, 31.4649, 5.1268
YIQ	124.5740, -1.6830, -74.1550

Conversions

Conversions Part 2

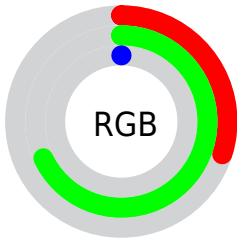
Format	Color
RYB	0, 173, 96
Decimal	5090560
CIELab	62.90, -52.91, 63.81
CIELCh	63, 82.895, 129.665
Yxy	31.4649, 0.3298, 0.5763
Android (android.graphics.Color)	4283280640 (0xFF4DAD00)
YUV	124.5740, -61.4150, -41.7224
Hunter-Lab	56.0936, -40.8639, 33.8466

Details

The Yxy color **31.4649, 0.3298, 0.5763** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.5099, 0.2140, 0.0953**, and the grayscale version is **20.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7809, 0.3350, 0.5248**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **31.4637, 0.3298, 0.5764**, and if you desaturate by 10%, it is **31.9373, 0.3347, 0.5643**.

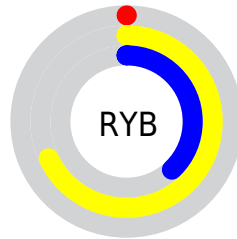
Distribution



Red (30%)

Green (68%)

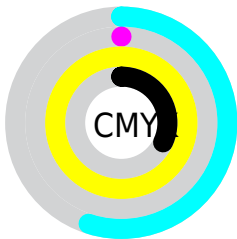
Blue (0%)



Red (0%)

Yellow (68%)

Blue (38%)

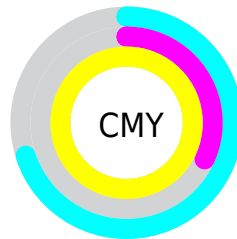


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (70%)


Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4649, 0.3298, 0.5763 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 31.4649, 0.3298, 0.5763 by changing the saturation by 10% instead.

 31.4649, 0.3298,
0.5763


 31.4649, 0.3298,
0.5763


308.6744, 0.3330,
0.4393

 20.9531, 0.3226,
0.6114


 61.9713, 0.3352,
0.5248


 13.0897, 0.3090,
0.6555


 82.7347, 0.3358,
0.5058

 7.4904, 0.2854,
0.7146


 107.6840, 0.3358,
0.4899

 3.7706, 0.2336,
0.7664

 137.2038, 0.3355,
0.4766

 1.5461, 0.0406,
0.9594

 171.6783, 0.3349,
0.4651

 0.3208, 0.0000,
1.0000


 211.4920, 0.3343,


 0.0000, 0.0000,


0.4553


0.0000


 257.0292, 0.3336,
0.4468


 31.4649, 0.3298,
0.5763


 31.4649, 0.3298,
0.5763


 31.4637, 0.3298,
0.5764

 31.9373, 0.3347,
0.5643

 32.5062, 0.3384,
0.5474

 33.1892, 0.3400,
0.5251

 33.9952, 0.3397,
0.4987

 34.9318, 0.3375,
0.4696

■ 36.0060, 0.3340,
0.4393

■ 37.2241, 0.3294,
0.4093

■ 38.5919, 0.3241,
0.3806

■ 40.1150, 0.3184,
0.3536

Harmonies

Analogous

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



31.4649, 0.4395, 0.5242



31.4649, 0.3298, 0.5763



31.4649, 0.2215, 0.5077

Triad

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



31.4649, 0.3298, 0.5763



31.4649, 0.1224, 0.1680



31.4649, 0.5036, 0.2777

Complementary

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



31.4649, 0.3298, 0.5763



5.5099, 0.2140, 0.0953

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.



31.4649, 0.3750, 0.2128



31.4649, 0.3298, 0.5763



31.4649, 0.1640, 0.1530

Square

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



31.4649, 0.3298, 0.5763



31.4649, 0.1151, 0.2259



31.4649, 0.2478, 0.1689



31.4649, 0.5605, 0.3520

Rectangle

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



31.4649, 0.3298, 0.5763



31.4649, 0.1652, 0.4019



31.4649, 0.2478, 0.1689



31.4649, 0.4654, 0.2545

Sweetspot

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



31.4662, 0.3298, 0.5763



66.5327, 0.3297, 0.4111



17.1041, 0.5254, 0.4210



14.2606, 0.3316, 0.4232



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.



31.4662, 0.3298, 0.5763



56.2271, 0.3286, 0.5773



29.9067, 0.2991, 0.5965



9.1072, 0.3181, 0.3520



23.1478, 0.3305, 0.5758



0.6767, 0.3558, 0.5557

Inverse Universe

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



5.5099, 0.2140, 0.0953



9.7300, 0.2123, 0.0943



11.5796, 0.3338, 0.1613



7.9681, 0.3069, 0.3062



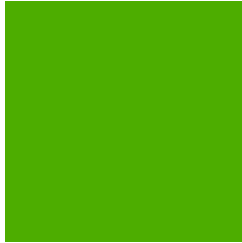
4.0787, 0.2150, 0.0958



0.1453, 0.2469, 0.1134

Previews

White Background



This preview shows how the Yxy color 31.4649, 0.3298, 0.5763 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 31.4649, 0.3298, 0.5763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

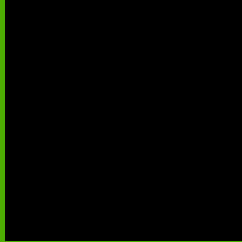
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4649, 0.3298, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 31.4649, 0.3298, 0.5763.



This preview shows how white text looks on a background with the Yxy color 31.4649, 0.3298, 0.5763.

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

31.4649, 0.3298, 0.5763

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

30.7194, 0.4611, 0.4515



Tritanopia

31.4293, 0.2543, 0.3077

Trichromacy



Original Color

31.4649, 0.3298, 0.5763



Protanomaly

30.4600, 0.3945, 0.5250



Deuteranomaly

29.5626, 0.4092, 0.5018



Tritanomaly

30.4376, 0.2942, 0.4276

Monochromacy



Original Color

31.4649, 0.3298, 0.5763



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.1133, 0.3357, 0.4483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4649, 0.3298, 0.5763 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(77, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 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(77, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.4649, 0.3298, 0.5763 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(77, 173, 0) }
```

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

```
.border{ border-color:rgb(77, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 173, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.4649, 0.3298, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 0) }
```

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

```
.background{ background-color: rgb(77, 173,  
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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