

Converting Colors

$Yxy(31.6355, 0.3599, 0.5257)$

Have a look what the booklet for
Yxy(31.6355, 0.3599, 0.5257)
contains.

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Color

Yxy(31.6355, 0.3599, 0.5257)

Conversions

Conversions Part 1

Format	Color
Hex	76A727
RGB	118, 167, 39
RGB Percent	46%, 65%, 15%
CMY	0.5372, 0.3451, 0.8470
CMYK	0.29, 0.00, 0.77, 0.35
HSL	83°, 62%, 40%
HSV	83°, 77%, 65%
XYZ	21.6580, 31.6355, 6.8843
YIQ	137.7570, 11.8840, -50.1960

Conversions

Conversions Part 2

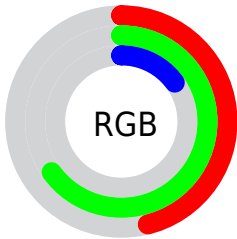
Format	Color
RYB	39, 167, 88
Decimal	7776039
CIELab	63.04, -35.30, 56.60
CIELCh	63, 66.703, 121.948
Yxy	31.6355, 0.3599, 0.5257
Android (android.graphics.Color)	4285966119 (0xFF76A727)
YUV	137.7570, -48.6872, -17.3269
Hunter-Lab	56.2454, -29.6959, 32.1148

Details

The Yxy color **31.6355, 0.3599, 0.5257** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.3157, 0.2124, 0.1144**, and the grayscale version is **25.5061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0494, 0.3568, 0.4855**, and **13.3515, 0.3473, 0.5624** is the 20% darker color. If you saturate the color by 10%, you get **31.1170, 0.3588, 0.5420**, and if you desaturate by 10%, it is **32.2358, 0.3586, 0.5049**.

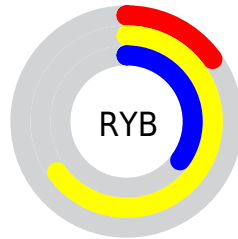
Distribution



Red (46%)

Green (65%)

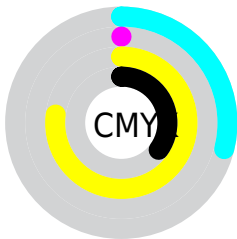
Blue (15%)



Red (15%)

Yellow (65%)

Blue (35%)

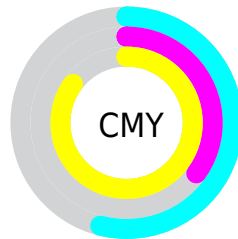


Cyan (29%)

Magenta (0%)

Yellow (77%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6355, 0.3599, 0.5257 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 31.6355, 0.3599, 0.5257 by changing the saturation by 10% instead.


 31.6355, 0.3599,
0.5257


 31.6355, 0.3599,
0.5257


309.4555, 0.3428,
0.4187

 21.0832, 0.3600,
0.5531


 62.2392, 0.3563,
0.4857


 13.1849, 0.3567,
0.5873


 83.0595, 0.3541,
0.4709


 7.5560, 0.3538,
0.6440


 108.0712, 0.3519,
0.4585

 3.8122, 0.3193,
0.6807

 137.6588, 0.3498,
0.4480

 1.5691, 0.2455,
0.7545

 172.2066, 0.3478,
0.4391

 0.3366, 0.0000,
1.0000

 212.0991, 0.3460,

 0.0000, 0.0000,

0.4313

0.0000

257.7205, 0.3444,
0.4246

■ 31.6355, 0.3599,
0.5257

■ 31.6355, 0.3599,
0.5257

■ 31.1170, 0.3588,
0.5420

■ 32.2358, 0.3586,
0.5049

■ 30.6674, 0.3556,
0.5534

■ 32.9201, 0.3551,
0.4804

■ 30.5265, 0.3543,
0.5569

■ 33.6951, 0.3497,
0.4536

■ 34.5659, 0.3429,
0.4257

■ 35.5368, 0.3351,
0.3978

■ 36.6120, 0.3268,
0.3707

■ 37.7954, 0.3183,
0.3451

■ 39.0907, 0.3099,
0.3212

■ 40.5012, 0.3018,
0.2993

Harmonies

Analogous

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



31.6355, 0.4486, 0.4815



31.6355, 0.3599, 0.5257



31.6355, 0.2644, 0.4915

Triad

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



31.6355, 0.3599, 0.5257



31.6355, 0.1449, 0.2037



31.6355, 0.4439, 0.2732

Complementary

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



31.6355, 0.3599, 0.5257



6.3157, 0.2124, 0.1144

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.



31.6355, 0.3362, 0.2193



31.6355, 0.3599, 0.5257



31.6355, 0.1742, 0.1797

Square

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



31.6355, 0.3599, 0.5257



31.6355, 0.1480, 0.2685



31.6355, 0.2381, 0.1864



31.6355, 0.5109, 0.3390

Rectangle

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



31.6355, 0.3599, 0.5257



31.6355, 0.2094, 0.4206



31.6355, 0.2381, 0.1864



31.6355, 0.4099, 0.2534

Sweetspot

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



31.6369, 0.3599, 0.5257



64.2444, 0.3325, 0.3889



15.0077, 0.5109, 0.3907



14.2314, 0.3353, 0.3985



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.



31.6369, 0.3599, 0.5257



55.1520, 0.3567, 0.5504



28.6269, 0.3098, 0.5607



8.6283, 0.3206, 0.3517



23.3879, 0.3549, 0.5564



0.5970, 0.3768, 0.5390

Inverse Universe

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



6.3157, 0.2124, 0.1144



7.7697, 0.1896, 0.0853



10.7193, 0.2957, 0.1564



7.4352, 0.3043, 0.3061



2.9931, 0.1834, 0.0784



0.1023, 0.2235, 0.1005

Previews

White Background



This preview shows how the Yxy color 31.6355, 0.3599, 0.5257 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 31.6355, 0.3599, 0.5257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

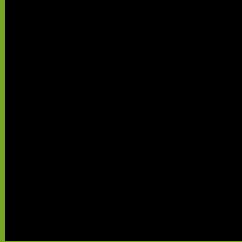
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6355, 0.3599, 0.5257

Background



This preview shows how black text looks on a background with the Yxy color 31.6355, 0.3599, 0.5257.



This preview shows how white text looks on a background with the Yxy color 31.6355, 0.3599, 0.5257.

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

31.6355, 0.3599, 0.5257

Protanopia

31.2357, 0.4312, 0.4755

Deuteranopia

31.1154, 0.4530, 0.4438



Tritanopia

31.5906, 0.2811, 0.3102

Trichromacy



Original Color

31.6355, 0.3599, 0.5257

Protanomaly

30.9167, 0.4049, 0.4943

Deuteranomaly

30.5384, 0.4188, 0.4734

Tritanomaly

31.1113, 0.3162, 0.3947

Monochromacy



Original Color

31.6355, 0.3599, 0.5257

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.2795, 0.3388, 0.4106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6355, 0.3599, 0.5257 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(118, 167, 39)` looks like.

```
.text, #text, p{  
    color:rgb(118, 167, 39)  
}
```

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(118, 167, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 167, 39) }
```

Border

The CSS property to change the border of an element to Yxy 31.6355, 0.3599, 0.5257 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(118, 167, 39) }
```

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

```
.border{ border-color:rgb(118, 167, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 167, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 167, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 167, 39);  
box-shadow:4px 4px 4px 4px rgb(118, 167,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6355, 0.3599, 0.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 167, 39) }
```

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

```
.background{ background-color: rgb(118,  
167, 39) }
```

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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