

Converting Colors

$Y_{xy}(29.1962, 0.3563, 0.6359)$

Have a look what the booklet for
Yxy(29.1962, 0.3563, 0.6359)
contains.

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Color

Yxy(29.7107, 0.3339, 0.5731)

Conversions

Conversions Part 1

Format	Color
Hex	50A800
RGB	80, 168, 0
RGB Percent	31%, 66%, 0%
CMY	0.6863, 0.3412, 1.0000
CMYK	0.52, 0.00, 1.00, 0.34
HSL	91°, 100%, 33%
HSV	91°, 100%, 66%
XYZ	17.3101, 29.7107, 4.8213
YIQ	122.5360, 1.4800, -70.9040

Conversions

Conversions Part 2

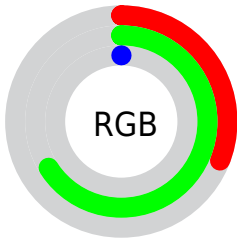
Format	Color
RYB	0, 168, 88
Decimal	5285888
CIELab	61.40, -50.22, 62.70
CIElCh	61, 80.333, 128.695
Yxy	29.7107, 0.3339, 0.5731
Android (android.graphics.Color)	4283475968 (0xFF50A800)
YUV	122.5360, -60.4102, -37.3041
Hunter-Lab	54.5075, -38.7015, 32.9109

Details

The Yxy color **29.7107, 0.3339, 0.5731** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.9028, 0.2077, 0.0918**, and the grayscale version is **19.8485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2090, 0.3382, 0.5218**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.7120, 0.3339, 0.5731**, and if you desaturate by 10%, it is **30.1604, 0.3387, 0.5611**.

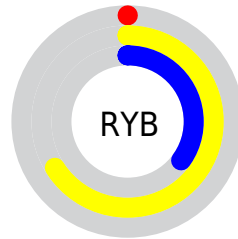
Distribution



Red (31%)

Green (66%)

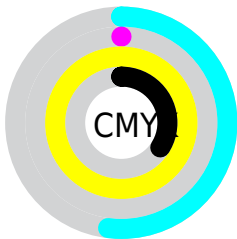
Blue (0%)



Red (0%)

Yellow (66%)

Blue (35%)

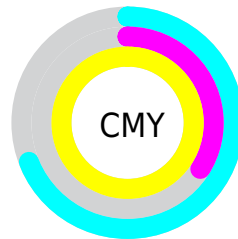


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (69%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7107, 0.3339, 0.5731 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 29.7107, 0.3339, 0.5731 by changing the saturation by 10% instead.


 29.7107, 0.3339,
0.5731


 29.7107, 0.3339,
0.5731

300.5536, 0.3346,
0.4371

 19.6191, 0.3271,
0.6082


 59.2044, 0.3384,
0.5218


 12.1185, 0.3143,
0.6530


 79.3752, 0.3387,
0.5029


 6.8244, 0.2897,
0.7103


 103.6746, 0.3384,
0.4872

 3.3525, 0.2368,
0.7632

 132.4870, 0.3378,
0.4739

 1.3184, 0.0000,
1.0000

 166.1967, 0.3371,
0.4626

 0.1554, 0.0000,
1.0000


 205.1881, 0.3363,


 0.0000, 0.0000,


0.4529


0.0000


 249.8456, 0.3354,
0.4445


 29.7107, 0.3339,
0.5731


 29.7107, 0.3339,
0.5731


 29.7120, 0.3339,
0.5731

 30.1604, 0.3387,
0.5611

 30.6943, 0.3420,
0.5446

 31.3291, 0.3434,
0.5227

 32.0728, 0.3426,
0.4968

 32.9320, 0.3400,
0.4682

■ 33.9129, 0.3360,
0.4385

■ 35.0211, 0.3309,
0.4089

■ 36.2617, 0.3251,
0.3804

■ 37.6397, 0.3190,
0.3537

Harmonies

Analogous

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



29.7107, 0.4423, 0.5201



29.7107, 0.3339, 0.5731



29.7107, 0.2260, 0.5095

Triad

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



29.7107, 0.3339, 0.5731



29.7107, 0.1232, 0.1706



29.7107, 0.4980, 0.2761

Complementary

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



29.7107, 0.3339, 0.5731



4.9028, 0.2077, 0.0918

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.



29.7107, 0.3699, 0.2121



29.7107, 0.3339, 0.5731



29.7107, 0.1634, 0.1544

Square

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



29.7107, 0.3339, 0.5731



29.7107, 0.1171, 0.2300



29.7107, 0.2451, 0.1694



29.7107, 0.5576, 0.3500

Rectangle

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



29.7107, 0.3339, 0.5731



29.7107, 0.1691, 0.4064



29.7107, 0.2451, 0.1694



29.7107, 0.4596, 0.2532

Sweetspot

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



29.7120, 0.3339, 0.5731



63.4301, 0.3312, 0.4105



15.1098, 0.5348, 0.4135



13.6433, 0.3333, 0.4224



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.



29.7120, 0.3339, 0.5731



53.7875, 0.3326, 0.5741



28.0131, 0.2997, 0.5988



8.5763, 0.3185, 0.3518



22.4661, 0.3346, 0.5725



0.5772, 0.3617, 0.5510

Inverse Universe

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



4.9028, 0.2077, 0.0918



8.7675, 0.2060, 0.0908



11.0494, 0.3251, 0.1564



7.4866, 0.3065, 0.3062



3.7329, 0.2087, 0.0923



0.1210, 0.2454, 0.1126

Previews

White Background



This preview shows how the Yxy color 29.7107, 0.3339, 0.5731 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7107, 0.3339, 0.5731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

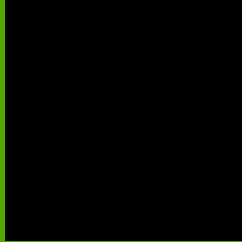
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7107, 0.3339, 0.5731

Background



This preview shows how black text looks on a background with the Yxy color 29.7107, 0.3339, 0.5731.



This preview shows how white text looks on a background with the Yxy color 29.7107, 0.3339, 0.5731.

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

29.7107, 0.3339, 0.5731

Protanopia

29.2868, 0.4396, 0.4892

Deuteranopia

29.1918, 0.4600, 0.4523



Tritanopia

29.5251, 0.2564, 0.3072

Trichromacy



Original Color

29.7107, 0.3339, 0.5731

Protanomaly

28.5936, 0.3971, 0.5229

Deuteranomaly

28.0737, 0.4113, 0.5003

Tritanomaly

28.6572, 0.2970, 0.4257

Monochromacy



Original Color

29.7107, 0.3339, 0.5731

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.1411, 0.3374, 0.4481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7107, 0.3339, 0.5731 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(80, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 168, 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(80, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.7107, 0.3339, 0.5731 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(80, 168, 0) }
```

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

```
.border{ border-color:rgb(80, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 168, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.7107, 0.3339, 0.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 168, 0) }
```

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

```
.background{ background-color: rgb(80, 168,  
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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