

Converting Colors

$Y_{xy}(29.1927, 0.3025, 0.5980)$

Have a look what the booklet for
Yxy(29.1927, 0.3025, 0.5980)
contains.

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Color

Yxy(29.2450, 0.3025, 0.5980)

Conversions

Conversions Part 1

Format	Color
Hex	11AB00
RGB	17, 171, 0
RGB Percent	7%, 67%, 0%
CMY	0.9335, 0.3294, 0.9998
CMYK	0.90, 0.00, 1.00, 0.33
HSL	114°, 100%, 34%
HSV	114°, 100%, 67%
XYZ	14.7937, 29.2450, 4.8660
YIQ	105.4600, -36.8930, -85.8290

Conversions

Conversions Part 2

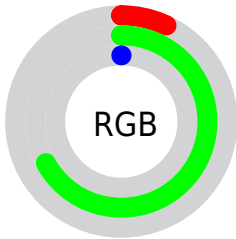
Format	Color
RYB	0, 171, 154
Decimal	1157888
CIELab	61.00, -62.93, 61.78
CIELCh	61, 88.185, 135.528
Yxy	29.2450, 0.3025, 0.5980
Android (android.graphics.Color)	4279347968 (0xFF11AB00)
YUV	105.4600, -51.9918, -77.5794
Hunter-Lab	54.0786, -45.8075, 32.5201

Details

The Yxy color **29.2450, 0.3025, 0.5980** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.8205, 0.2963, 0.1406**, and the grayscale version is **14.4085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6339, 0.3138, 0.5391**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.2457, 0.3025, 0.5980**, and if you desaturate by 10%, it is **29.4812, 0.3044, 0.5876**.

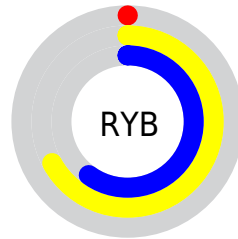
Distribution



Red (7%)

Green (67%)

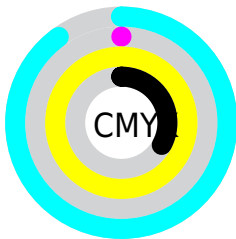
Blue (0%)



Red (0%)

Yellow (67%)

Blue (60%)

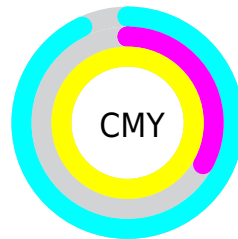


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (93%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2450, 0.3025, 0.5980 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 29.2450, 0.3025, 0.5980 by changing the saturation by 10% instead.


 29.2450, 0.3025,
0.5980


 29.2450, 0.3025,
0.5980

298.3692, 0.3211,
0.4445


 19.2662, 0.2907,
0.6393


 58.4661, 0.3140,
0.5389

 11.8628, 0.2710,
0.6927


 78.4773, 0.3167,
0.5175


 6.6503, 0.2374,
0.7626


 102.6013, 0.3185,
0.4998

 3.2444, 0.1718,
0.8282

 131.2227, 0.3196,
0.4850

 1.2606, 0.0000,
1.0000

 164.7258, 0.3203,
0.4725

 0.1104, 0.0000,
1.0000


 203.4950, 0.3207,

 0.0000, 0.0000,

0.4618

0.0000

 247.9146, 0.3209,
0.4525

 29.2450, 0.3025,
0.5980


 29.2450, 0.3025,
0.5980


 29.2457, 0.3025,
0.5980

 29.4812, 0.3044,
0.5876

 29.8672, 0.3067,
0.5702

 30.4323, 0.3088,
0.5454

 31.1951, 0.3105,
0.5150

 32.1718, 0.3118,
0.4814

■ 33.3769, 0.3127,
0.4469

■ 34.8237, 0.3131,
0.4135

■ 36.5245, 0.3132,
0.3823

■ 38.4905, 0.3131,
0.3541

Harmonies

Analogous

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



29.2450, 0.4203, 0.5517



29.2450, 0.3025, 0.5980



29.2450, 0.1927, 0.4948

Triad

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



29.2450, 0.3025, 0.5980



29.2450, 0.1171, 0.1514



29.2450, 0.5399, 0.2867

Complementary

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



29.2450, 0.3025, 0.5980



9.8205, 0.2963, 0.1406

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.



29.2450, 0.4093, 0.2167



29.2450, 0.3025, 0.5980



29.2450, 0.1676, 0.1434

Square

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



29.2450, 0.3025, 0.5980



29.2450, 0.1025, 0.2000



29.2450, 0.2655, 0.1659



29.2450, 0.5779, 0.3643

Rectangle

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



29.2450, 0.3025, 0.5980



29.2450, 0.1406, 0.3718



29.2450, 0.2655, 0.1659



29.2450, 0.5038, 0.2622

Sweetspot

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



29.2462, 0.3025, 0.5980



62.2081, 0.3131, 0.4153



31.7394, 0.4379, 0.4905



13.6264, 0.3130, 0.4288



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.



29.2462, 0.3025, 0.5980



52.3329, 0.3020, 0.5984



29.5502, 0.2810, 0.5316



8.9759, 0.3130, 0.3523



22.0572, 0.3028, 0.5978



0.6255, 0.3142, 0.5887

Inverse Universe

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



9.8205, 0.2963, 0.1406



17.5319, 0.2958, 0.1403



9.6311, 0.4531, 0.2270



8.1072, 0.3122, 0.3065



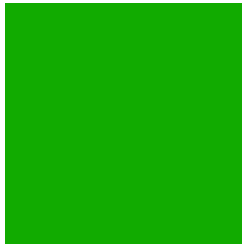
7.4145, 0.2965, 0.1407



0.2176, 0.3044, 0.1451

Previews

White Background



This preview shows how the Yxy color 29.2450, 0.3025, 0.5980 looks on a white background.

Color Contrast Check

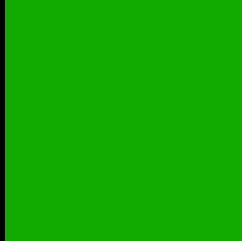
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2450, 0.3025, 0.5980 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 29.2450, 0.3025, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 29.2450, 0.3025, 0.5980.



This preview shows how white text looks on a background with the Yxy color 29.2450, 0.3025, 0.5980.

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

29.2450, 0.3025, 0.5980

Protanopia

28.8668, 0.4397, 0.4891

Deuteranopia

28.7892, 0.4592, 0.4506



Tritanopia

29.1913, 0.2372, 0.3064

Trichromacy



Original Color

29.2450, 0.3025, 0.5980



Protanomaly

27.1564, 0.3698, 0.5445



Deuteranomaly

26.4101, 0.3823, 0.5204



Tritanomaly

28.0554, 0.2692, 0.4360

Monochromacy



Original Color

29.2450, 0.3025, 0.5980



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.5222, 0.3120, 0.4709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2450, 0.3025, 0.5980 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(17, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 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(17, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.2450, 0.3025, 0.5980 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(17, 171, 0) }
```

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

```
.border{ border-color:rgb(17, 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(17, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(17, 171, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.2450, 0.3025, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 171, 0) }
```

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

```
.background{ background-color: rgb(17, 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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