

Converting Colors

$Y_{xy}(29.2501, 0.3038, 0.5970)$

Have a look what the booklet for
Yxy(29.2501, 0.3038, 0.5970)
contains.

Yxy(29.3080, 0.3038, 0.5970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.3080, 0.3038, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	17AB00
RGB	23, 171, 0
RGB Percent	9%, 67%, 0%
CMY	0.9102, 0.3294, 1.0000
CMYK	0.87, 0.00, 1.00, 0.33
HSL	112°, 100%, 34%
HSV	112°, 100%, 67%
XYZ	14.9142, 29.3080, 4.8699
YIQ	107.2540, -33.3170, -84.5570

Conversions

Conversions Part 2

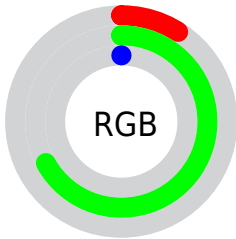
Format	Color
RYB	0, 171, 148
Decimal	1551104
CIELab	61.05, -62.44, 61.86
CIELCh	61, 87.890, 135.268
Yxy	29.3080, 0.3038, 0.5970
Android (android.graphics.Color)	4279741184 (0xFF17AB00)
YUV	107.2540, -52.8762, -73.8908
Hunter-Lab	54.1369, -45.5645, 32.5623

Details

The Yxy color **29.3080, 0.3038, 0.5970** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.2477, 0.2875, 0.1358**, and the grayscale version is **14.9253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7479, 0.3148, 0.5385**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.3093, 0.3038, 0.5970**, and if you desaturate by 10%, it is **29.5756, 0.3063, 0.5861**.

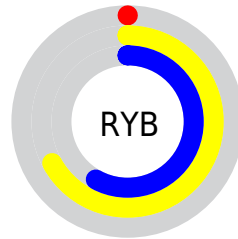
Distribution



Red (9%)

Green (67%)

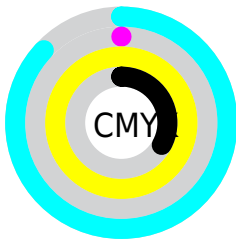
Blue (0%)



Red (0%)

Yellow (67%)

Blue (58%)

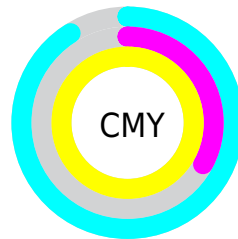


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (91%)

Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3080, 0.3038, 0.5970 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 29.3080, 0.3038, 0.5970 by changing the saturation by 10% instead.

 29.3080, 0.3038,
0.5970


 29.3080, 0.3038,
0.5970


298.6654, 0.3216,
0.4442

 19.3139, 0.2922,
0.6380


 58.5661, 0.3150,
0.5382


 11.8973, 0.2728,
0.6910


 78.5989, 0.3176,
0.5169


 6.6738, 0.2396,
0.7604


 102.7467, 0.3193,
0.4993

 3.2590, 0.1749,
0.8251

 131.3940, 0.3204,
0.4846

 1.2684, 0.0000,
1.0000

 164.9252, 0.3210,
0.4722


 0.1165, 0.0000,
1.0000

 203.7245, 0.3214,

 0.0000, 0.0000,

0.4615


0.0000


 248.1765, 0.3216,
0.4523


 29.3080, 0.3038,
0.5970


 29.3080, 0.3038,
0.5970

 29.3093, 0.3038,
0.5970

 29.5756, 0.3063,
0.5861

 29.9888, 0.3090,
0.5686

 30.5749, 0.3113,
0.5438

 31.3506, 0.3131,
0.5136

 32.3308, 0.3142,
0.4804

■ 33.5287, 0.3147,
0.4463

■ 34.9565, 0.3147,
0.4132

■ 36.6254, 0.3143,
0.3822

■ 38.5458, 0.3136,
0.3541

Harmonies

Analogous

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



29.3080, 0.4212, 0.5504



29.3080, 0.3038, 0.5970



29.3080, 0.1940, 0.4955

Triad

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



29.3080, 0.3038, 0.5970



29.3080, 0.1173, 0.1522



29.3080, 0.5382, 0.2863

Complementary

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



29.3080, 0.3038, 0.5970



9.2477, 0.2875, 0.1358

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.



29.3080, 0.4077, 0.2165



29.3080, 0.3038, 0.5970



29.3080, 0.1674, 0.1439

Square

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



29.3080, 0.3038, 0.5970



29.3080, 0.1030, 0.2012



29.3080, 0.2647, 0.1661



29.3080, 0.5772, 0.3638

Rectangle

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



29.3080, 0.3038, 0.5970



29.3080, 0.1417, 0.3732



29.3080, 0.2647, 0.1661



29.3080, 0.5020, 0.2618

Sweetspot

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



29.3093, 0.3038, 0.5970



62.4534, 0.3147, 0.4149



29.0184, 0.4483, 0.4822



13.6846, 0.3148, 0.4283



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.



29.3093, 0.3038, 0.5970



52.4343, 0.3032, 0.5975



29.4531, 0.2850, 0.5459



8.9888, 0.3135, 0.3523



22.1067, 0.3042, 0.5967



0.6306, 0.3189, 0.5850

Inverse Universe

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



9.2477, 0.2875, 0.1358



16.4932, 0.2869, 0.1354



9.8098, 0.4331, 0.2160



8.0929, 0.3117, 0.3065



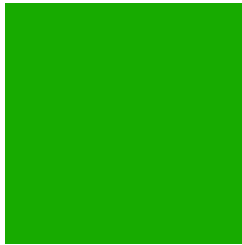
6.9873, 0.2879, 0.1359



0.2091, 0.2985, 0.1418

Previews

White Background



This preview shows how the Yxy color 29.3080, 0.3038, 0.5970 looks on a white background.

Color Contrast Check

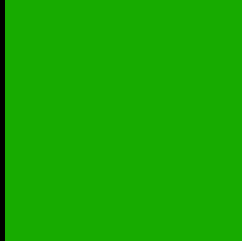
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3080, 0.3038, 0.5970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

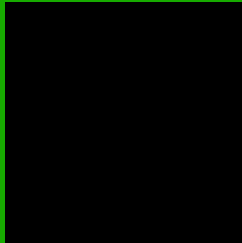
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3080, 0.3038, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 29.3080, 0.3038, 0.5970.



This preview shows how white text looks on a background with the Yxy color 29.3080, 0.3038, 0.5970.

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

29.3080, 0.3038, 0.5970

Protanopia

28.8668, 0.4397, 0.4891

Deuteranopia

28.7892, 0.4592, 0.4506



Tritanopia

29.2307, 0.2377, 0.3065

Trichromacy



Original Color

29.3080, 0.3038, 0.5970



Protanomaly

27.2876, 0.3720, 0.5428



Deuteranomaly

26.5591, 0.3845, 0.5187



Tritanomaly

28.1107, 0.2702, 0.4357

Monochromacy



Original Color

29.3080, 0.3038, 0.5970



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.9191, 0.3141, 0.4688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3080, 0.3038, 0.5970 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(23, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.3080, 0.3038, 0.5970 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(23, 171, 0) }
```

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

```
.border{ border-color:rgb(23, 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(23, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(23, 171, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.3080, 0.3038, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 171, 0) }
```

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

```
.background{ background-color: rgb(23, 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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