

Converting Colors

$Y_{xy}(29.1329, 0.2975, 0.5908)$

Have a look what the booklet for
Yxy(29.1329, 0.2975, 0.5908)
contains.

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Color

Yxy(29.1763, 0.2974, 0.5908)

Conversions

Conversions Part 1

Format	Color
Hex	00AB14
RGB	0, 171, 20
RGB Percent	0%, 67%, 8%
CMY	1.0000, 0.3294, 0.9214
CMYK	1.00, 0.00, 0.88, 0.33
HSL	127°, 100%, 34%
HSV	127°, 100%, 67%
XYZ	14.6869, 29.1763, 5.5212
YIQ	102.6570, -53.4450, -83.2130

Conversions

Conversions Part 2

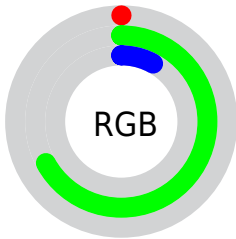
Format	Color
R_{YB}	0, 153, 171
Decimal	43796
CIE _{Lab}	60.94, -63.32, 58.62
CIE _{LCh}	61, 86.288, 137.204
Yxy	29.1763, 0.2974, 0.5908
Android (android.graphics.Color)	4278233876 (0xFF00AB14)
YUV	102.6570, -40.7499, -90.0302
Hunter-Lab	54.0151, -45.9915, 31.7502

Details

The Yxy color **29.1763, 0.2974, 0.5908** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.8917, 0.3527, 0.1716**, and the grayscale version is **13.5911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5289, 0.3090, 0.5321**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.1793, 0.2974, 0.5908**, and if you desaturate by 10%, it is **29.3709, 0.2964, 0.5765**.

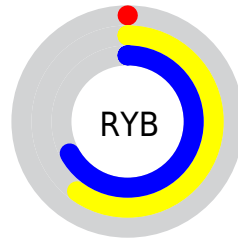
Distribution



Red (0%)

Green (67%)

Blue (8%)



Red (0%)

Yellow (60%)

Blue (67%)

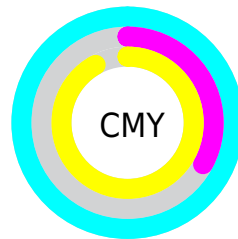


Cyan (100%)

Magenta (0%)

Yellow (88%)

Black (33%)



Cyan (100%)


Magenta (33%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1763, 0.2974, 0.5908 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 29.1763, 0.2974, 0.5908 by changing the saturation by 10% instead.


 29.1763, 0.2974,
0.5908


 29.1763, 0.2974,
0.5908


298.0459, 0.3175,
0.4404

 19.2142, 0.2858,
0.6322


 58.3571, 0.3090,
0.5323

 11.8252, 0.2661,
0.6854


 78.3446, 0.3120,
0.5114

 6.6247, 0.2356,
0.7644


 102.4427, 0.3140,
0.4941

 3.2286, 0.1692,
0.8308

 131.0357, 0.3153,
0.4797

 1.2522, 0.0000,
1.0000

 164.5082, 0.3162,
0.4676

 0.1037, 0.0000,
1.0000

 203.2445, 0.3168,

 0.0000, 0.0000,

0.4572

0.0000

247.6289, 0.3172,
0.4482

■ 29.1763, 0.2974,
0.5908

■ 29.1763, 0.2974,
0.5908

■ 29.1793, 0.2974,
0.5908

■ 29.3709, 0.2964,
0.5765

■ 29.7045, 0.2958,
0.5556

■ 30.2258, 0.2960,
0.5291

■ 30.9577, 0.2971,
0.4987

■ 31.9194, 0.2989,
0.4666

■ 33.1282, 0.3013,
0.4347

■ 34.5997, 0.3041,
0.4044

■ 36.3482, 0.3070,
0.3764

■ 38.3867, 0.3099,
0.3512

Harmonies

Analogous

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



29.1763, 0.4138, 0.5535



29.1763, 0.2974, 0.5908



29.1763, 0.1901, 0.4813

Triad

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



29.1763, 0.2974, 0.5908



29.1763, 0.1215, 0.1527



29.1763, 0.5404, 0.2921

Complementary

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



29.1763, 0.2974, 0.5908



10.8917, 0.3527, 0.1716

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.



29.1763, 0.4159, 0.2220



29.1763, 0.2974, 0.5908



29.1763, 0.1739, 0.1464

Square

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



29.1763, 0.2974, 0.5908



29.1763, 0.1052, 0.1984



29.1763, 0.2735, 0.1704



29.1763, 0.5727, 0.3698

Rectangle

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



29.1763, 0.2974, 0.5908



29.1763, 0.1403, 0.3616



29.1763, 0.2735, 0.1704



29.1763, 0.5066, 0.2676

Sweetspot

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



29.1793, 0.2974, 0.5908



61.8086, 0.3039, 0.4059



35.7133, 0.3991, 0.5213



13.5323, 0.3028, 0.4181



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.



29.1793, 0.2974, 0.5908



52.2375, 0.2979, 0.5924



30.1579, 0.2608, 0.4590



8.9541, 0.3101, 0.3496



21.9991, 0.2972, 0.5897



0.6167, 0.2868, 0.5525

Inverse Universe

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



10.8917, 0.3527, 0.1716



19.4841, 0.3533, 0.1720



9.0468, 0.5432, 0.2766



8.1317, 0.3155, 0.3092



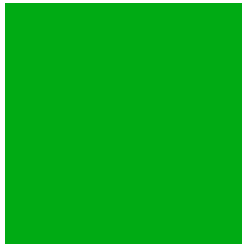
8.2150, 0.3523, 0.1715



0.2330, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 29.1763, 0.2974, 0.5908 looks on a white background.

Color Contrast Check

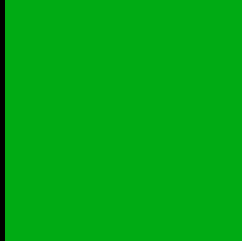
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1763, 0.2974, 0.5908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

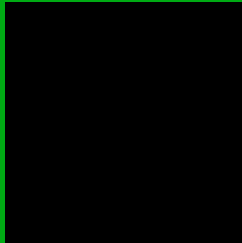
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1763, 0.2974, 0.5908

Background



This preview shows how black text looks on a background with the Yxy color 29.1763, 0.2974, 0.5908.



This preview shows how white text looks on a background with the Yxy color 29.1763, 0.2974, 0.5908.

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

29.1763, 0.2974, 0.5908

Protanopia

28.5790, 0.4391, 0.4855

Deuteranopia

28.6926, 0.4560, 0.4487



Tritanopia

29.1525, 0.2367, 0.3064

Trichromacy



Original Color

29.1763, 0.2974, 0.5908



Protanomaly

26.4777, 0.3619, 0.5437



Deuteranomaly

25.9560, 0.3711, 0.5194



Tritanomaly

28.0596, 0.2609, 0.4199

Monochromacy



Original Color

29.1763, 0.2974, 0.5908



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

17.0776, 0.2998, 0.4584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1763, 0.2974, 0.5908 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(0, 171, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 20)  
}
```

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(0, 171, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 20) }
```

Border

The CSS property to change the border of an element to Yxy 29.1763, 0.2974, 0.5908 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(0, 171, 20) }
```

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

```
.border{ border-color:rgb(0, 171, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 20)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.1763, 0.2974, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 20) }
```

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

```
.background{ background-color: rgb(0, 171,  
20) }
```

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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