

Converting Colors

$Y_{xy}(29.1017, 0.2983, 0.5940)$

Have a look what the booklet for
Yxy(29.1017, 0.2983, 0.5940)
contains.

Yxy(29.1575, 0.2984, 0.5942)	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(29.1575, 0.2984, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	00AB0E
RGB	0, 171, 14
RGB Percent	0%, 67%, 5%
CMY	0.9997, 0.3294, 0.9452
CMYK	1.00, 0.00, 0.92, 0.33
HSL	125°, 100%, 34%
HSV	125°, 100%, 67%
XYZ	14.6425, 29.1575, 5.2701
YIQ	101.9730, -51.5190, -85.0790

Conversions

Conversions Part 2

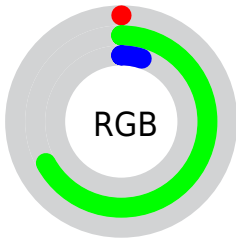
Format	Color
RYB	0, 158, 171
Decimal	43790
CIELab	60.92, -63.52, 59.73
CIELCh	61, 87.192, 136.757
Yxy	29.1575, 0.2984, 0.5942
Android (android.graphics.Color)	4278233870 (0xFF00AB0E)
YUV	101.9730, -43.3707, -89.4303
Hunter-Lab	53.9977, -46.0921, 32.0117

Details

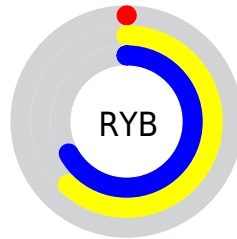
The Yxy color **29.1575, 0.2984, 0.5942** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.0973, 0.3423, 0.1660**, and the grayscale version is **13.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4842, 0.3100, 0.5353**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.1581, 0.2984, 0.5942**, and if you desaturate by 10%, it is **29.3395, 0.2979, 0.5816**.

Distribution



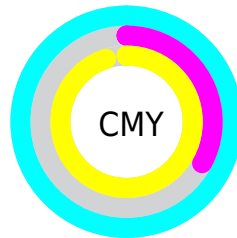
- Red (0%)
- Green (67%)
- Blue (5%)



- Red (0%)
- Yellow (62%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1575, 0.2984, 0.5942 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 29.1575, 0.2984, 0.5942 by changing the saturation by 10% instead.


 29.1575, 0.2984,
0.5942


 29.1575, 0.2984,
0.5942


297.9574, 0.3184,
0.4421


 19.2000, 0.2866,
0.6358


 58.3272, 0.3102,
0.5352


 11.8149, 0.2667,
0.6892


 78.3082, 0.3131,
0.5140


 6.6178, 0.2348,
0.7652


 102.3992, 0.3151,
0.4966

 3.2242, 0.1679,
0.8321

 130.9846, 0.3164,
0.4820

 1.2499, 0.0000,
1.0000

 164.4487, 0.3172,
0.4697

 0.1019, 0.0000,
1.0000

 203.1759, 0.3178,

 0.0000, 0.0000,

0.4591

0.0000

247.5507, 0.3182,
0.4500

■ 29.1575, 0.2984,
0.5942

■ 29.1575, 0.2984,
0.5942

■ 29.1581, 0.2984,
0.5942

■ 29.3395, 0.2979,
0.5816

■ 29.6638, 0.2976,
0.5619

■ 30.1780, 0.2981,
0.5357

■ 30.9056, 0.2992,
0.5050

■ 31.8664, 0.3009,
0.4721

■ 33.0781, 0.3031,
0.4390

■ 34.5568, 0.3055,
0.4074

■ 36.3169, 0.3080,
0.3783

■ 38.3721, 0.3104,
0.3521

Harmonies

Analogous

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



29.1575, 0.4155, 0.5538



29.1575, 0.2984, 0.5942



29.1575, 0.1901, 0.4857

Triad

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



29.1575, 0.2984, 0.5942



29.1575, 0.1197, 0.1517



29.1575, 0.5414, 0.2904

Complementary

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



29.1575, 0.2984, 0.5942



11.0973, 0.3423, 0.1660

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.



29.1575, 0.4146, 0.2202



29.1575, 0.2984, 0.5942



29.1575, 0.1716, 0.1450

Square

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



29.1575, 0.2984, 0.5942



29.1575, 0.1038, 0.1982



29.1575, 0.2712, 0.1686



29.1575, 0.5751, 0.3681

Rectangle

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



29.1575, 0.2984, 0.5942



29.1575, 0.1397, 0.3643



29.1575, 0.2712, 0.1686



29.1575, 0.5068, 0.2658

Sweetspot

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



29.1587, 0.2984, 0.5942



61.7236, 0.3053, 0.4092



36.5599, 0.4078, 0.5144



13.5122, 0.3044, 0.4219



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.



29.1587, 0.2984, 0.5942



52.2067, 0.2988, 0.5955



29.9888, 0.2658, 0.4767



8.9495, 0.3105, 0.3505



21.9837, 0.2982, 0.5934



0.6149, 0.2906, 0.5661

Inverse Universe

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



11.0973, 0.3423, 0.1660



19.8563, 0.3427, 0.1662



9.1559, 0.5226, 0.2653



8.1367, 0.3149, 0.3084



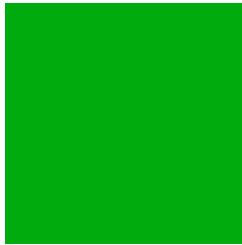
8.3680, 0.3421, 0.1658



0.2360, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 29.1575, 0.2984, 0.5942 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 29.1575, 0.2984, 0.5942 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 29.1575, 0.2984, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 29.1575, 0.2984, 0.5942.



This preview shows how white text looks on a background with the Yxy color 29.1575, 0.2984, 0.5942.

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

29.1575, 0.2984, 0.5942

Protanopia

28.5571, 0.4409, 0.4881

Deuteranopia

28.6790, 0.4571, 0.4500



Tritanopia

29.1525, 0.2367, 0.3064

Trichromacy



Original Color

29.1575, 0.2984, 0.5942



Protanomaly

26.4569, 0.3634, 0.5471



Deuteranomaly

25.9400, 0.3723, 0.5219



Tritanomaly

28.0130, 0.2622, 0.4241

Monochromacy



Original Color

29.1575, 0.2984, 0.5942



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

16.7448, 0.3015, 0.4642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1575, 0.2984, 0.5942 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 14) }
```

Border

The CSS property to change the border of an element to Yxy 29.1575, 0.2984, 0.5942 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, 14) }
```

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

```
.border{ border-color:rgb(0, 171, 14) }
```

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, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 171, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.1575, 0.2984, 0.5942 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, 14) }
```

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

```
.background{ background-color: rgb(0, 171,  
14) }
```

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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