

Converting Colors

$Yxy(25.7275, 0.1978, 0.5803)$

Have a look what the booklet for
Yxy(25.7275, 0.1978, 0.5803)
contains.

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Color

Yxy(29.1547, 0.2815, 0.5333)

Conversions

Conversions Part 1

Format	Color
Hex	00AA43
RGB	0, 170, 67
RGB Percent	0%, 67%, 26%
CMY	0.9993, 0.3333, 0.7373
CMYK	1.00, 0.00, 0.61, 0.33
HSL	144°, 100%, 33%
HSV	144°, 100%, 67%
XYZ	15.3892, 29.1547, 10.1246
YIQ	107.4280, -68.2570, -68.0730

Conversions

Conversions Part 2

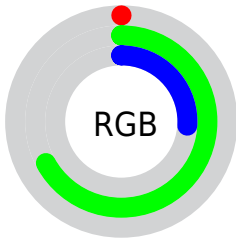
Format	Color
RYB	0, 122, 170
Decimal	43587
CIELab	60.92, -59.02, 42.01
CIELCh	61, 72.447, 144.560
Yxy	29.1547, 0.2815, 0.5333
Android (android.graphics.Color)	4278233667 (0xFF00AA43)
YUV	107.4280, -19.9310, -94.2144
Hunter-Lab	53.9951, -43.6170, 26.6791

Details

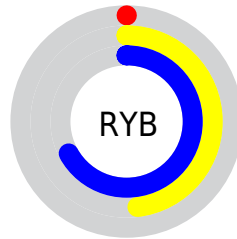
The Yxy color **29.1547, 0.2815, 0.5333** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.5330, 0.4502, 0.2254**, and the grayscale version is **14.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5215, 0.2923, 0.4866**, and **12.5198, 0.2966, 0.5877** is the 20% darker color. If you saturate the color by 10%, you get **29.1534, 0.2815, 0.5335**, and if you desaturate by 10%, it is **29.4105, 0.2786, 0.5134**.

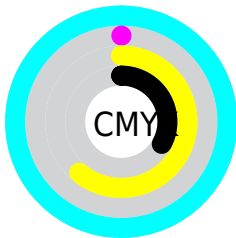
Distribution



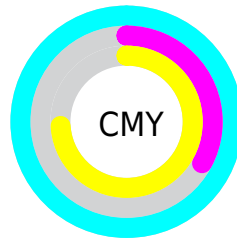
- Red (0%)
- Green (67%)
- Blue (26%)



- Red (0%)
- Yellow (48%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1547, 0.2815, 0.5333 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 29.1547, 0.2815, 0.5333 by changing the saturation by 10% instead.


 29.1547, 0.2815,
0.5333


 29.1547, 0.2815,
0.5333


297.9442, 0.3046,
0.4143

 19.1979, 0.2720,
0.5688


 58.3228, 0.2923,
0.4858


 11.8133, 0.2570,
0.6173


 78.3028, 0.2956,
0.4692


 6.6167, 0.2317,
0.6864


 102.3928, 0.2981,
0.4557

 3.2236, 0.1908,
0.8092

 130.9769, 0.3000,
0.4446

 1.2495, 0.0000,
1.0000

 164.4398, 0.3015,
0.4352

 0.1016, 0.0000,
1.0000

 203.1657, 0.3028,

 0.0000, 0.0000,

0.4272

0.0000

247.5390, 0.3038,
0.4203

■ 29.1547, 0.2815,
0.5333

■ 29.1547, 0.2815,
0.5333

■ 29.1534, 0.2815,
0.5335

■ 29.4105, 0.2786,
0.5134

■ 29.7909, 0.2770,
0.4917

■ 30.3385, 0.2773,
0.4687

■ 31.0728, 0.2793,
0.4452

■ 32.0104, 0.2828,
0.4222

■ 33.1662, 0.2876,
0.4003

■ 34.5534, 0.2932,
0.3798

■ 36.1843, 0.2995,
0.3610

■ 38.0703, 0.3061,
0.3440

Harmonies

Analogous

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



29.1547, 0.3855, 0.5397



29.1547, 0.2815, 0.5333



29.1547, 0.1910, 0.4195

Triad

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



29.1547, 0.2815, 0.5333



29.1547, 0.1513, 0.1695



29.1547, 0.5214, 0.3185

Complementary

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



29.1547, 0.2815, 0.5333



9.5330, 0.4502, 0.2254

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.



29.1547, 0.4308, 0.2511



29.1547, 0.2815, 0.5333



29.1547, 0.2096, 0.1699

Square

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



29.1547, 0.2815, 0.5333



29.1547, 0.1287, 0.2033



29.1547, 0.3083, 0.1984



29.1547, 0.5341, 0.3928

Rectangle

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



29.1547, 0.2815, 0.5333



29.1547, 0.1519, 0.3260



29.1547, 0.3083, 0.1984



29.1547, 0.4987, 0.2951

Sweetspot

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



29.1559, 0.2815, 0.5333



62.5166, 0.2928, 0.3810



31.7473, 0.3542, 0.5569



13.7025, 0.2904, 0.3893



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.



29.1559, 0.2815, 0.5333



52.8556, 0.2824, 0.5367



30.9588, 0.2349, 0.3654



8.4548, 0.3065, 0.3430



21.4558, 0.2810, 0.5315



0.5321, 0.2618, 0.4625

Inverse Universe

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



9.5330, 0.4502, 0.2254



17.2431, 0.4533, 0.2271



8.6005, 0.6246, 0.3215



7.6159, 0.3195, 0.3154



7.0199, 0.4486, 0.2245



0.1804, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 29.1547, 0.2815, 0.5333 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 29.1547, 0.2815, 0.5333 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 29.1547, 0.2815, 0.5333

Background



This preview shows how black text looks on a background with the Yxy color 29.1547, 0.2815, 0.5333.



This preview shows how white text looks on a background with the Yxy color 29.1547, 0.2815, 0.5333.

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

29.1547, 0.2815, 0.5333

Protanopia

28.6705, 0.4139, 0.4529

Deuteranopia

28.5707, 0.4251, 0.4170



Tritanopia

29.0038, 0.2348, 0.3063

Trichromacy



Original Color

29.1547, 0.2815, 0.5333



Protanomaly

26.7446, 0.3396, 0.4955



Deuteranomaly

25.8711, 0.3450, 0.4686



Tritanomaly

28.4292, 0.2489, 0.3847

Monochromacy



Original Color

29.1547, 0.2815, 0.5333



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.9669, 0.2846, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1547, 0.2815, 0.5333 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, 170, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 67)  
}
```

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, 170, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 67) }
```

Border

The CSS property to change the border of an element to Yxy 29.1547, 0.2815, 0.5333 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, 170, 67) }
```

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

```
.border{ border-color:rgb(0, 170, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.1547, 0.2815, 0.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 67) }
```

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

```
.background{ background-color: rgb(0, 170,  
67) }
```

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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