

Converting Colors

$Yxy(27.0277, 0.3030, 0.5577)$

Have a look what the booklet for
Yxy(27.0277, 0.3030, 0.5577)
contains.

Yxy(26.9267, 0.3029, 0.5580)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9267, 0.3029, 0.5580)

Conversions

Conversions Part 1

Format	Color
Hex	2DA32B
RGB	45, 163, 43
RGB Percent	18%, 64%, 17%
CMY	0.8234, 0.3608, 0.8314
CMYK	0.72, 0.00, 0.74, 0.36
HSL	119°, 58%, 40%
HSV	119°, 74%, 64%
XYZ	14.6167, 26.9267, 6.7124
YIQ	114.0380, -31.8080, -62.3360

Conversions

Conversions Part 2

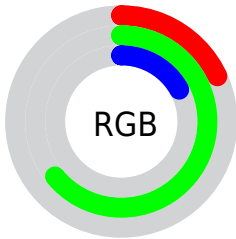
Format	Color
R_{YB}	43, 163, 161
Decimal	2990891
CIE _{Lab}	58.91, -54.99, 50.14
CIE _{LCh}	59, 74.420, 137.642
Yxy	26.9267, 0.3029, 0.5580
Android (android.graphics.Color)	4281180971 (0xFF2DA32B)
YUV	114.0380, -35.0217, -60.5463
Hunter-Lab	51.8909, -40.5292, 28.6542

Details

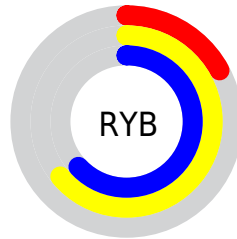
The Yxy color **26.9267, 0.3029, 0.5580** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.9458, 0.3171, 0.1709**, and the grayscale version is **16.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7588, 0.3114, 0.5053**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.5338, 0.3016, 0.5800**, and if you desaturate by 10%, it is **27.5076, 0.3044, 0.5291**.

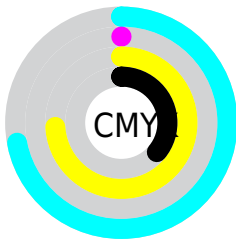
Distribution



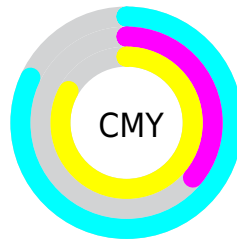
- Red (18%)
- Green (64%)
- Blue (17%)



- Red (17%)
- Yellow (64%)
- Blue (63%)



- Cyan (72%)
- Magenta (0%)
- Yellow (74%)
- Black (36%)




- Cyan (82%)
- Magenta (36%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9267, 0.3029, 0.5580 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 26.9267, 0.3029, 0.5580 by changing the saturation by 10% instead.

 26.9267, 0.3029,
0.5580


 26.9267, 0.3029,
0.5580


287.3020, 0.3170,
0.4247


 17.5182, 0.2941,
0.5967


 54.7662, 0.3114,
0.5051


 10.6046, 0.2786,
0.6480


 73.9660, 0.3134,
0.4865


 5.8016, 0.2586,
0.7414

 97.1984, 0.3148,
0.4714

 2.7248, 0.1919,
0.8081

 124.8476, 0.3156,
0.4588

 0.9898, 0.0000,
1.0000

 157.2982, 0.3162,
0.4482

 0.0000, 0.0000,
0.0000

 194.9346, 0.3166,

0.4392

238.1411, 0.3168,
0.4314

■ 26.9267, 0.3029,
0.5580

■ 26.9267, 0.3029,
0.5580

■ 26.5338, 0.3016,
0.5800

■ 27.5076, 0.3044,
0.5291

■ 26.3029, 0.3007,
0.5938

■ 28.2923, 0.3059,
0.4959

■ 26.2125, 0.3004,
0.5997

■ 29.2985, 0.3075,
0.4608

■ 30.5413, 0.3090,
0.4262

■ 32.0344, 0.3103,
0.3937

■ 33.7904, 0.3114,
0.3641

■ 35.8211, 0.3124,
0.3377

■ 38.1376, 0.3132,
0.3147

■ 40.7503, 0.3139,
0.2947

Harmonies

Analogous

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



26.9267, 0.4102, 0.5363



26.9267, 0.3029, 0.5580



26.9267, 0.2032, 0.4596

Triad

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



26.9267, 0.3029, 0.5580



26.9267, 0.1367, 0.1674



26.9267, 0.5168, 0.2997

Complementary

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



26.9267, 0.3029, 0.5580



11.9458, 0.3171, 0.1709

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.



26.9267, 0.4073, 0.2330



26.9267, 0.3029, 0.5580



26.9267, 0.1874, 0.1610

Square

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



26.9267, 0.3029, 0.5580



26.9267, 0.1211, 0.2115



26.9267, 0.2802, 0.1839



26.9267, 0.5486, 0.3743

Rectangle

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



26.9267, 0.3029, 0.5580



26.9267, 0.1562, 0.3577



26.9267, 0.2802, 0.1839



26.9267, 0.4868, 0.2763

Sweetspot

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



26.9278, 0.3029, 0.5580



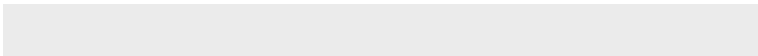
57.7256, 0.3104, 0.3899



32.7576, 0.4119, 0.4829



12.7981, 0.3101, 0.3979



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.9278, 0.3029, 0.5580



47.2389, 0.3010, 0.5893



27.6092, 0.2714, 0.4584



7.9005, 0.3119, 0.3522



20.3738, 0.3005, 0.5996



0.4297, 0.3028, 0.5978

Inverse Universe

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



11.9458, 0.3171, 0.1709



18.9293, 0.3170, 0.1565



10.5762, 0.4216, 0.2394



7.1960, 0.3135, 0.3068



7.8845, 0.3168, 0.1519



0.1675, 0.3184, 0.1528

Previews

White Background



This preview shows how the Yxy color 26.9267, 0.3029, 0.5580 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 26.9267, 0.3029, 0.5580 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 26.9267, 0.3029, 0.5580

Background



This preview shows how black text looks on a background with the Yxy color 26.9267, 0.3029, 0.5580.



This preview shows how white text looks on a background with the Yxy color 26.9267, 0.3029, 0.5580.

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

26.9267, 0.3029, 0.5580

Protanopia

26.4524, 0.4278, 0.4723

Deuteranopia

26.4305, 0.4443, 0.4370



Tritanopia

26.7991, 0.2428, 0.3076

Trichromacy



Original Color

26.9267, 0.3029, 0.5580



Protanomaly

25.4233, 0.3710, 0.5113



Deuteranomaly

25.0703, 0.3807, 0.4868



Tritanomaly

26.3263, 0.2672, 0.3998

Monochromacy



Original Color

26.9267, 0.3029, 0.5580



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.3310, 0.3094, 0.4232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9267, 0.3029, 0.5580 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(45, 163, 43)` looks like.

```
.text, #text, p{  
    color:rgb(45, 163, 43)  
}
```

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(45, 163, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 163, 43) }
```

Border

The CSS property to change the border of an element to Yxy 26.9267, 0.3029, 0.5580 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(45, 163, 43) }
```

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

```
.border{ border-color:rgb(45, 163, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 163, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 163, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 163, 43);  
box-shadow:4px 4px 4px 4px rgb(45, 163,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9267, 0.3029, 0.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 163, 43) }
```

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

```
.background{ background-color: rgb(45, 163,  
43) }
```

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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