

Converting Colors

$Yxy(24.1260, 0.2584, 0.5817)$

Have a look what the booklet for
Yxy(24.1260, 0.2584, 0.5817)
contains.

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Color

Yxy(25.3389, 0.2891, 0.5607)

Conversions

Conversions Part 1

Format	Color
Hex	00A02E
RGB	0, 160, 46
RGB Percent	0%, 63%, 18%
CMY	0.9997, 0.3725, 0.8196
CMYK	1.00, 0.00, 0.71, 0.37
HSL	137°, 100%, 31%
HSV	137°, 100%, 63%
XYZ	13.0649, 25.3389, 6.7878
YIQ	99.1640, -58.7660, -69.3740

Conversions

Conversions Part 2

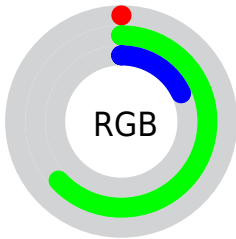
Format	Color
RYB	0, 124, 160
Decimal	41006
CIELab	57.40, -58.35, 47.26
CIELCh	57, 75.089, 140.999
Yxy	25.3389, 0.2891, 0.5607
Android (android.graphics.Color)	4278231086 (0xFF00A02E)
YUV	99.1640, -26.2099, -86.9668
Hunter-Lab	50.3378, -41.7624, 27.2415

Details

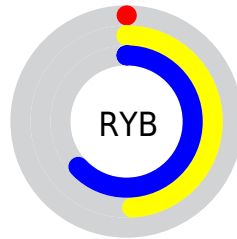
The Yxy color **25.3389, 0.2891, 0.5607** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.6924, 0.4086, 0.2025**, and the grayscale version is **12.6070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1672, 0.3004, 0.5058**, and **10.5154, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.3389, 0.2891, 0.5608**, and if you desaturate by 10%, it is **25.5526, 0.2866, 0.5410**.

Distribution



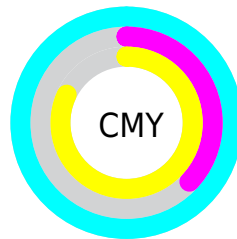
- Red (0%)
- Green (63%)
- Blue (18%)



- Red (0%)
- Yellow (49%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.3389, 0.2891, 0.5607 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 25.3389, 0.2891, 0.5607 by changing the saturation by 10% instead.


 25.3389, 0.2891,
0.5607


 25.3389, 0.2891,
0.5607


279.5215, 0.3106,
0.4236


 16.3297, 0.2783,
0.6018


 52.2065, 0.3004,
0.5055


 9.7578, 0.2600,
0.6575


 70.8337, 0.3034,
0.4864


 5.2387, 0.2364,
0.7636

 93.4357, 0.3056,
0.4708

 2.3880, 0.1456,
0.8544

 120.3969, 0.3072,
0.4580

 0.8197, 0.0000,
1.0000

 152.1017, 0.3084,
0.4473

 0.0000, 0.0000,
0.0000

 188.9344, 0.3093,

0.4382

231.2796, 0.3100,
0.4304

■ 25.3389, 0.2891,
0.5607

■ 25.3389, 0.2891,
0.5607

■ 25.3389, 0.2891,
0.5608

■ 25.5526, 0.2866,
0.5410

■ 25.8780, 0.2850,
0.5180

■ 26.3551, 0.2849,
0.4924

■ 27.0013, 0.2864,
0.4657

■ 27.8314, 0.2892,
0.4389

■ 28.8587, 0.2929,
0.4130

■ 30.0951, 0.2974,
0.3888

■ 31.5516, 0.3024,
0.3667

■ 33.2385, 0.3075,
0.3467

Harmonies

Analogous

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



25.3389, 0.3990, 0.5480



25.3389, 0.2891, 0.5607



25.3389, 0.1905, 0.4465

Triad

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



25.3389, 0.2891, 0.5607



25.3389, 0.1370, 0.1615



25.3389, 0.5308, 0.3064

Complementary

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



25.3389, 0.2891, 0.5607



8.6924, 0.4086, 0.2025

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.



25.3389, 0.4248, 0.2376



25.3389, 0.2891, 0.5607



25.3389, 0.1927, 0.1587

Square

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



25.3389, 0.2891, 0.5607



25.3389, 0.1174, 0.2008



25.3389, 0.2925, 0.1852



25.3389, 0.5522, 0.3826

Rectangle

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



25.3389, 0.2891, 0.5607



25.3389, 0.1463, 0.3412



25.3389, 0.2925, 0.1852



25.3389, 0.5031, 0.2824

Sweetspot

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



25.3399, 0.2891, 0.5607



54.4892, 0.2971, 0.3903



28.7663, 0.3706, 0.5439



11.7480, 0.2953, 0.3997



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.3399, 0.2891, 0.5607



45.9768, 0.2900, 0.5639



26.6323, 0.2442, 0.3991



7.4308, 0.3079, 0.3453



19.7451, 0.2887, 0.5592



0.3598, 0.2677, 0.4836

Inverse Universe

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



8.6924, 0.4086, 0.2025



15.7415, 0.4107, 0.2036



7.5954, 0.6003, 0.3081



6.7221, 0.3179, 0.3132



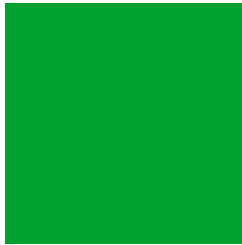
6.7770, 0.4076, 0.2019



0.1280, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 25.3389, 0.2891, 0.5607 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 25.3389, 0.2891, 0.5607 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 25.3389, 0.2891, 0.5607

Background



This preview shows how black text looks on a background with the Yxy color 25.3389, 0.2891, 0.5607.



This preview shows how white text looks on a background with the Yxy color 25.3389, 0.2891, 0.5607.

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

25.3389, 0.2891, 0.5607

Protanopia

24.9145, 0.4259, 0.4684

Deuteranopia

24.8067, 0.4405, 0.4319



Tritanopia

25.1919, 0.2358, 0.3068

Trichromacy



Original Color

25.3389, 0.2891, 0.5607



Protanomaly

23.0146, 0.3509, 0.5183



Deuteranomaly

22.4949, 0.3578, 0.4923



Tritanomaly

24.5858, 0.2538, 0.3991

Monochromacy



Original Color

25.3389, 0.2891, 0.5607



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.3107, 0.2899, 0.4295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3389, 0.2891, 0.5607 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, 160, 46)` looks like.

```
.text, #text, p{  
  color:rgb(0, 160, 46)  
}
```

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, 160, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 46) }
```

Border

The CSS property to change the border of an element to Yxy 25.3389, 0.2891, 0.5607 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, 160, 46) }
```

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

```
.border{ border-color:rgb(0, 160, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 160, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.3389, 0.2891, 0.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 46) }
```

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

```
.background{ background-color: rgb(0, 160,  
46) }
```

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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