

Converting Colors

$Yxy(27.0568, 0.2923, 0.5721)$

Have a look what the booklet for
Yxy(27.0568, 0.2923, 0.5721)
contains.

Yxy(27.0568, 0.2923, 0.5721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0568, 0.2923, 0.5721)

Conversions

Conversions Part 1

Format	Color
Hex	00A527
RGB	0, 165, 39
RGB Percent	0%, 65%, 15%
CMY	0.9989, 0.3529, 0.8471
CMYK	1.00, 0.00, 0.76, 0.35
HSL	134°, 100%, 32%
HSV	134°, 100%, 65%
XYZ	13.8240, 27.0568, 6.4130
YIQ	101.3010, -57.8940, -74.1660

Conversions

Conversions Part 2

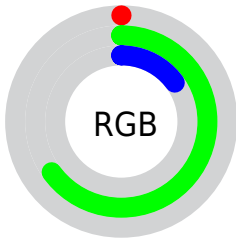
Format	Color
RYB	0, 133, 165
Decimal	42279
CIELab	59.03, -60.44, 51.54
CIELCh	59, 79.436, 139.546
Yxy	27.0568, 0.2923, 0.5721
Android (android.graphics.Color)	4278232359 (0xFF00A527)
YUV	101.3010, -30.7144, -88.8410
Hunter-Lab	52.0162, -43.5895, 29.1015

Details

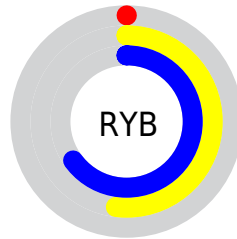
The Yxy color **27.0568, 0.2923, 0.5721** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.5191, 0.3902, 0.1924**, and the grayscale version is **13.2115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7785, 0.3035, 0.5155**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.0546, 0.2923, 0.5724**, and if you desaturate by 10%, it is **27.2713, 0.2900, 0.5534**.

Distribution



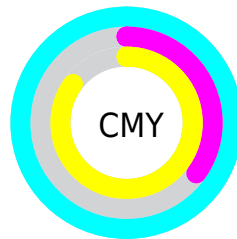
- Red (0%)
- Green (65%)
- Blue (15%)



- Red (0%)
- Yellow (52%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0568, 0.2923, 0.5721 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 27.0568, 0.2923, 0.5721 by changing the saturation by 10% instead.


 27.0568, 0.2923,
0.5721


 27.0568, 0.2923,
0.5721


287.9320, 0.3131,
0.4299


 17.6159, 0.2813,
0.6134


 54.9750, 0.3036,
0.5156

 10.6746, 0.2627,
0.6680


 74.2211, 0.3066,
0.4958

 5.8485, 0.2368,
0.7632

 97.5043, 0.3086,
0.4796

 2.7531, 0.1605,
0.8395

 125.2091, 0.3101,
0.4662

 1.0043, 0.0000,
1.0000

 157.7199, 0.3112,
0.4550

 0.0000, 0.0000,
0.0000

 195.4211, 0.3120,

0.4454

238.6970, 0.3126,
0.4371

■ 27.0568, 0.2923,
0.5721

■ 27.0568, 0.2923,
0.5721

■ 27.0546, 0.2923,
0.5724

■ 27.2713, 0.2900,
0.5534

■ 27.6106, 0.2886,
0.5304

■ 28.1162, 0.2885,
0.5040

■ 28.8073, 0.2898,
0.4758

■ 29.7004, 0.2922,
0.4472

■ 30.8101, 0.2955,
0.4194

■ 32.1495, 0.2995,
0.3933

■ 33.7310, 0.3038,
0.3693

■ 35.5657, 0.3083,
0.3478

Harmonies

Analogous

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



27.0568, 0.4046, 0.5506



27.0568, 0.2923, 0.5721



27.0568, 0.1903, 0.4590

Triad

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



27.0568, 0.2923, 0.5721



27.0568, 0.1311, 0.1582



27.0568, 0.5345, 0.3011

Complementary

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



27.0568, 0.2923, 0.5721



9.5191, 0.3902, 0.1924

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.



27.0568, 0.4217, 0.2318



27.0568, 0.2923, 0.5721



27.0568, 0.1856, 0.1541

Square

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



27.0568, 0.2923, 0.5721



27.0568, 0.1128, 0.1998



27.0568, 0.2855, 0.1796



27.0568, 0.5598, 0.3780

Rectangle

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



27.0568, 0.2923, 0.5721



27.0568, 0.1441, 0.3484



27.0568, 0.2855, 0.1796



27.0568, 0.5046, 0.2769

Sweetspot

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



27.0579, 0.2923, 0.5721



57.3910, 0.2992, 0.3951



31.3890, 0.3790, 0.5372



12.3293, 0.2976, 0.4053



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.



27.0579, 0.2923, 0.5721



48.4277, 0.2931, 0.5751



28.2938, 0.2491, 0.4168



7.9211, 0.3086, 0.3467



20.4744, 0.2919, 0.5708



0.4370, 0.2735, 0.5045

Inverse Universe

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



9.5191, 0.3902, 0.1924



17.0013, 0.3918, 0.1932



8.1888, 0.5851, 0.2999



7.1736, 0.3172, 0.3120



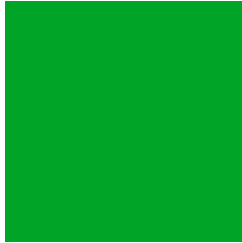
7.2034, 0.3895, 0.1919



0.1579, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 27.0568, 0.2923, 0.5721 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 27.0568, 0.2923, 0.5721 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

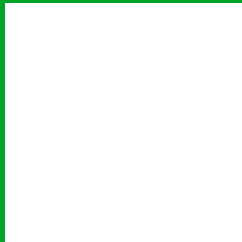
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0568, 0.2923, 0.5721

Background



This preview shows how black text looks on a background with the Yxy color 27.0568, 0.2923, 0.5721.



This preview shows how white text looks on a background with the Yxy color 27.0568, 0.2923, 0.5721.

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

27.0568, 0.2923, 0.5721

Protanopia

26.5305, 0.4309, 0.4745

Deuteranopia

26.5282, 0.4469, 0.4383



Tritanopia

27.0933, 0.2363, 0.3074

Trichromacy



Original Color

27.0568, 0.2923, 0.5721



Protanomaly

24.7007, 0.3545, 0.5282



Deuteranomaly

23.9008, 0.3638, 0.5020



Tritanomaly

26.3234, 0.2559, 0.4055

Monochromacy



Original Color

27.0568, 0.2923, 0.5721



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

16.0554, 0.2931, 0.4399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0568, 0.2923, 0.5721 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, 165, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 39)  
}
```

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, 165, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 39) }
```

Border

The CSS property to change the border of an element to Yxy 27.0568, 0.2923, 0.5721 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, 165, 39) }
```

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

```
.border{ border-color:rgb(0, 165, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 165, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0568, 0.2923, 0.5721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 39) }
```

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

```
.background{ background-color: rgb(0, 165,  
39) }
```

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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