

Converting Colors

$Y_{xy}(27.3317, 0.3262, 0.5623)$

Have a look what the booklet for
Yxy(27.3317, 0.3262, 0.5623)
contains.

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Color

Yxy(27.3317, 0.3262, 0.5623)

Conversions

Conversions Part 1

Format	Color
Hex	49A21A
RGB	73, 162, 26
RGB Percent	29%, 64%, 10%
CMY	0.7137, 0.3647, 0.8978
CMYK	0.55, 0.00, 0.84, 0.36
HSL	99°, 72%, 37%
HSV	99°, 84%, 64%
XYZ	15.8556, 27.3317, 5.4197
YIQ	119.8850, -9.3880, -61.1640

Conversions

Conversions Part 2

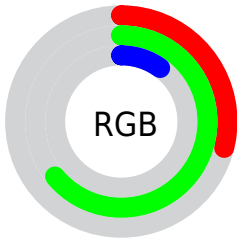
Format	Color
R_{YB}	26, 162, 115
Decimal	4825626
CIE _{Lab}	59.28, -49.24, 56.22
CIE _{LCh}	59, 74.736, 131.211
Yxy	27.3317, 0.3262, 0.5623
Android (android.graphics.Color)	4283015706 (0xFF49A21A)
YUV	119.8850, -46.2853, -41.1181
Hunter-Lab	52.2797, -37.3534, 30.4494

Details

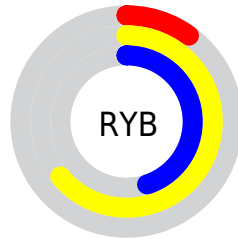
The Yxy color **27.3317, 0.3262, 0.5623** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.9971, 0.2505, 0.1255**, and the grayscale version is **18.9001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6082, 0.3310, 0.5108**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.9001, 0.3218, 0.5776**, and if you desaturate by 10%, it is **27.8772, 0.3291, 0.5409**.

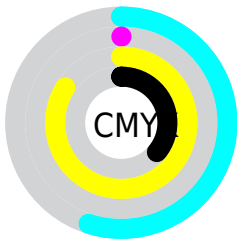
Distribution



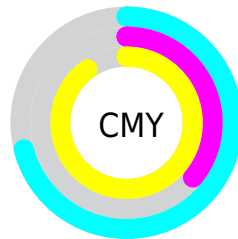
- Red (29%)
- Green (64%)
- Blue (10%)



- Red (10%)
- Yellow (64%)
- Blue (45%)



- Cyan (55%)
- Magenta (0%)
- Yellow (84%)
- Black (36%)





- Cyan (71%)
- Magenta (36%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3317, 0.3262, 0.5623 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 27.3317, 0.3262, 0.5623 by changing the saturation by 10% instead.


 27.3317, 0.3262,
0.5623


 27.3317, 0.3262,
0.5623


289.2596, 0.3291,
0.4292

 17.8225, 0.3196,
0.5987


 55.4157, 0.3310,
0.5108


 10.8226, 0.3064,
0.6456


 74.7592, 0.3315,
0.4922


 5.9477, 0.2843,
0.7157

 98.1497, 0.3315,
0.4770

 2.8133, 0.2271,
0.7729

 125.9715, 0.3312,
0.4642

 1.0351, 0.0000,
1.0000

 158.6090, 0.3307,
0.4534

 0.0000, 0.0000,
0.0000

 196.4466, 0.3302,

0.4442

239.8686, 0.3297,
0.4362

■ 27.3317, 0.3262,
0.5623

■ 27.3317, 0.3262,
0.5623

■ 26.9001, 0.3218,
0.5776

■ 27.8772, 0.3291,
0.5409

■ 26.6807, 0.3190,
0.5849

■ 28.5426, 0.3305,
0.5144

■ 29.3370, 0.3302,
0.4847

■ 30.2678, 0.3285,
0.4535

■ 31.3418, 0.3258,
0.4222

■ 32.5651, 0.3224,
0.3922

■ 33.9437, 0.3185,
0.3641

■ 35.4829, 0.3144,
0.3384

■ 37.1880, 0.3102,
0.3152

Harmonies

Analogous

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



27.3317, 0.4319, 0.5213



27.3317, 0.3262, 0.5623



27.3317, 0.2224, 0.4895

Triad

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



27.3317, 0.3262, 0.5623



27.3317, 0.1307, 0.1733



27.3317, 0.4984, 0.2846

Complementary

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



27.3317, 0.3262, 0.5623



6.9971, 0.2505, 0.1255

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.



27.3317, 0.3790, 0.2207



27.3317, 0.3262, 0.5623



27.3317, 0.1733, 0.1598

Square

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



27.3317, 0.3262, 0.5623



27.3317, 0.1222, 0.2275



27.3317, 0.2567, 0.1768



27.3317, 0.5492, 0.3577

Rectangle

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



27.3317, 0.3262, 0.5623



27.3317, 0.1692, 0.3902



27.3317, 0.2567, 0.1768



27.3317, 0.4634, 0.2618

Sweetspot

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



27.3329, 0.3262, 0.5623



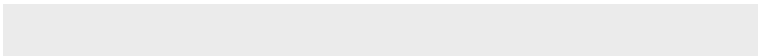
58.7552, 0.3230, 0.3968



19.8855, 0.4728, 0.4445



13.0256, 0.3242, 0.4067



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.



27.3329, 0.3262, 0.5623



48.3331, 0.3178, 0.5859



26.2621, 0.2942, 0.5578



8.0085, 0.3166, 0.3519



21.0414, 0.3196, 0.5845



0.4676, 0.3492, 0.5609

Inverse Universe

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



6.9971, 0.2505, 0.1255



10.1850, 0.2348, 0.1067



10.3638, 0.3539, 0.1823



7.0791, 0.3085, 0.3065



4.4955, 0.2370, 0.1080



0.1191, 0.2687, 0.1254

Previews

White Background



This preview shows how the Yxy color 27.3317, 0.3262, 0.5623 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 27.3317, 0.3262, 0.5623 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 27.3317, 0.3262, 0.5623

Background



This preview shows how black text looks on a background with the Yxy color 27.3317, 0.3262, 0.5623.



This preview shows how white text looks on a background with the Yxy color 27.3317, 0.3262, 0.5623.

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

27.3317, 0.3262, 0.5623

Protanopia

26.8701, 0.4359, 0.4821

Deuteranopia

26.9530, 0.4553, 0.4475



Tritanopia

27.2644, 0.2543, 0.3081

Trichromacy



Original Color

27.3317, 0.3262, 0.5623

Protanomaly

26.1420, 0.3904, 0.5156

Deuteranomaly

25.9536, 0.4029, 0.4918

Tritanomaly

26.7097, 0.2871, 0.4095

Monochromacy



Original Color

27.3317, 0.3262, 0.5623

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.8834, 0.3265, 0.4278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3317, 0.3262, 0.5623 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(73, 162, 26)` looks like.

```
.text, #text, p{  
    color:rgb(73, 162, 26)  
}
```

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(73, 162, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 162, 26) }
```

Border

The CSS property to change the border of an element to Yxy 27.3317, 0.3262, 0.5623 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(73, 162, 26) }
```

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

```
.border{ border-color:rgb(73, 162, 26) }
```

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

Here you see how a box with a 4 pixel rgb(73, 162, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 162, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 162, 26);  
box-shadow:4px 4px 4px 4px rgb(73, 162,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3317, 0.3262, 0.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 162, 26) }
```

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

```
.background{ background-color: rgb(73, 162,  
26) }
```

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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