

Converting Colors

$Y_{xy}(27.7552, 0.3214, 0.5677)$

Have a look what the booklet for
Yxy(27.7552, 0.3214, 0.5677)
contains.

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Color

Yxy(27.8144, 0.3215, 0.5672)

Conversions

Conversions Part 1

Format	Color
Hex	43A419
RGB	67, 164, 25
RGB Percent	26%, 64%, 10%
CMY	0.7373, 0.3569, 0.9019
CMYK	0.59, 0.00, 0.85, 0.36
HSL	102°, 74%, 37%
HSV	102°, 85%, 64%
XYZ	15.7657, 27.8144, 5.4579
YIQ	119.1510, -13.1930, -63.7930

Conversions

Conversions Part 2

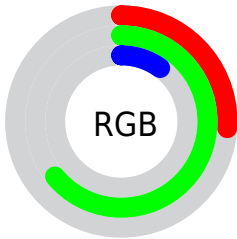
Format	Color
R_{YB}	25, 164, 122
Decimal	4432921
CIE Lab	59.72, -51.66, 56.81
CIE LCh	60, 76.786, 132.281
Yxy	27.8144, 0.3215, 0.5672
Android (android.graphics.Color)	4282623001 (0xFF43A419)
YUV	119.1510, -46.4164, -45.7364
Hunter-Lab	52.7394, -38.9336, 30.7817

Details

The Yxy color **27.8144, 0.3215, 0.5672** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.5153, 0.2583, 0.1287**, and the grayscale version is **18.6524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2621, 0.3272, 0.5142**, and **11.3689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.3989, 0.3171, 0.5820**, and if you desaturate by 10%, it is **28.3537, 0.3247, 0.5459**.

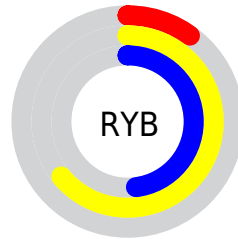
Distribution



Red (26%)

Green (64%)

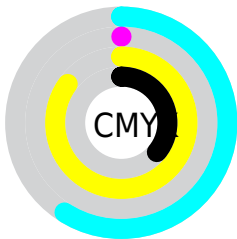
Blue (10%)



Red (10%)

Yellow (64%)

Blue (48%)

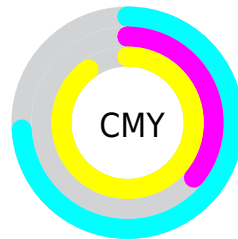


Cyan (59%)

Magenta (0%)

Yellow (85%)

Black (36%)



Cyan (74%)


Magenta (36%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8144, 0.3215, 0.5672 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 27.8144, 0.3215, 0.5672 by changing the saturation by 10% instead.


 27.8144, 0.3215,
0.5672


 27.8144, 0.3215,
0.5672


291.5790, 0.3273,
0.4313


 18.1858, 0.3140,
0.6044


 56.1880, 0.3274,
0.5146

 11.0835, 0.2998,
0.6522


 75.7018, 0.3284,
0.4956


 6.1230, 0.2763,
0.7237

 99.2794, 0.3287,
0.4800

 2.9200, 0.2180,
0.7820

 127.3052, 0.3287,
0.4670

 1.0901, 0.0000,
1.0000

 160.1637, 0.3284,
0.4560

 0.0000, 0.0000,
0.0000

 198.2393, 0.3281,

0.4466

241.9162, 0.3277,
0.4384

■ 27.8144, 0.3215,
0.5672

■ 27.8144, 0.3215,
0.5672

■ 27.3989, 0.3171,
0.5820

■ 28.3537, 0.3247,
0.5459

■ 27.2185, 0.3148,
0.5882

■ 29.0239, 0.3264,
0.5194

■ 29.8357, 0.3267,
0.4892

■ 30.7972, 0.3257,
0.4574

■ 31.9163, 0.3237,
0.4256

■ 33.1998, 0.3210,
0.3950

■ 34.6546, 0.3178,
0.3665

■ 36.2867, 0.3144,
0.3405

■ 38.1022, 0.3109,
0.3170

Harmonies

Analogous

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



27.8144, 0.4292, 0.5267



27.8144, 0.3215, 0.5672



27.8144, 0.2169, 0.4886

Triad

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



27.8144, 0.3215, 0.5672



27.8144, 0.1290, 0.1696



27.8144, 0.5056, 0.2859

Complementary

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



27.8144, 0.3215, 0.5672



7.5153, 0.2583, 0.1287

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.



27.8144, 0.3850, 0.2209



27.8144, 0.3215, 0.5672



27.8144, 0.1732, 0.1574

Square

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



27.8144, 0.3215, 0.5672



27.8144, 0.1191, 0.2224



27.8144, 0.2593, 0.1756



27.8144, 0.5536, 0.3599

Rectangle

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



27.8144, 0.3215, 0.5672



27.8144, 0.1641, 0.3857



27.8144, 0.2593, 0.1756



27.8144, 0.4706, 0.2628

Sweetspot

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



27.8156, 0.3215, 0.5672



60.0820, 0.3212, 0.3972



21.3937, 0.4676, 0.4506



12.9600, 0.3222, 0.4072



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.



27.8156, 0.3215, 0.5672



49.3082, 0.3137, 0.5891



26.9935, 0.2924, 0.5533



7.9939, 0.3160, 0.3519



20.8913, 0.3155, 0.5877



0.4626, 0.3438, 0.5652

Inverse Universe

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



7.5153, 0.2583, 0.1287



11.3016, 0.2451, 0.1124



10.4389, 0.3628, 0.1867



7.0943, 0.3091, 0.3065



4.8475, 0.2471, 0.1135



0.1247, 0.2752, 0.1290

Previews

White Background



This preview shows how the Yxy color 27.8144, 0.3215, 0.5672 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 27.8144, 0.3215, 0.5672 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 27.8144, 0.3215, 0.5672

Background



This preview shows how black text looks on a background with the Yxy color 27.8144, 0.3215, 0.5672.



This preview shows how white text looks on a background with the Yxy color 27.8144, 0.3215, 0.5672.

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

27.8144, 0.3215, 0.5672

Protanopia

27.2690, 0.4362, 0.4827

Deuteranopia

27.3521, 0.4552, 0.4480



Tritanopia

27.8262, 0.2514, 0.3082

Trichromacy



Original Color

27.8144, 0.3215, 0.5672

Protanomaly

26.6994, 0.3877, 0.5188

Deuteranomaly

26.0824, 0.4000, 0.4953

Tritanomaly

27.2137, 0.2835, 0.4114

Monochromacy



Original Color

27.8144, 0.3215, 0.5672

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.6931, 0.3240, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8144, 0.3215, 0.5672 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(67, 164, 25)` looks like.

```
.text, #text, p{  
    color:rgb(67, 164, 25)  
}
```

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(67, 164, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 164, 25) }
```

Border

The CSS property to change the border of an element to Yxy 27.8144, 0.3215, 0.5672 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(67, 164, 25) }
```

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

```
.border{ border-color:rgb(67, 164, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 164, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 164, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 164, 25);  
box-shadow:4px 4px 4px 4px rgb(67, 164,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8144, 0.3215, 0.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 164, 25) }
```

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

```
.background{ background-color: rgb(67, 164,  
25) }
```

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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