

Converting Colors

$Yxy(23.5780, 0.3013, 0.5442)$

Have a look what the booklet for
Yxy(23.5780, 0.3013, 0.5442)
contains.

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Color

Yxy(23.5767, 0.3015, 0.5447)

Conversions

Conversions Part 1

Format	Color
Hex	2E9930
RGB	46, 153, 48
RGB Percent	18%, 60%, 19%
CMY	0.8197, 0.4000, 0.8118
CMYK	0.70, 0.00, 0.69, 0.40
HSL	121°, 54%, 39%
HSV	121°, 70%, 60%
XYZ	13.0501, 23.5767, 6.6571
YIQ	109.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

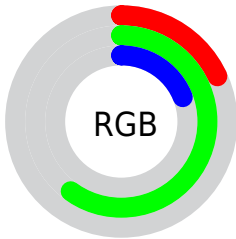
Format	Color
RYB	46, 151, 153
Decimal	3053872
CIELab	55.66, -50.94, 44.76
CIELCh	56, 67.814, 138.692
Yxy	23.5767, 0.3015, 0.5447
Android (android.graphics.Color)	4281243952 (0xFF2E9930)
YUV	109.0370, -30.0912, -55.2834
Hunter-Lab	48.5558, -36.9983, 25.8604

Details

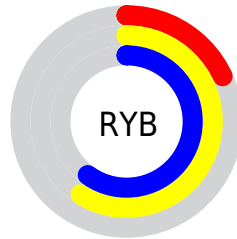
The Yxy color **23.5767, 0.3015, 0.5447** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.9586, 0.3229, 0.1796**, and the grayscale version is **15.3949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1384, 0.3097, 0.4930**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.1801, 0.3005, 0.5700**, and if you desaturate by 10%, it is **24.1438, 0.3029, 0.5138**.

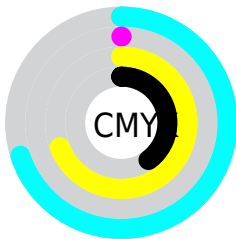
Distribution



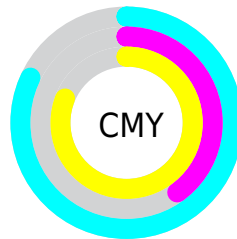
- Red (18%)
- Green (60%)
- Blue (19%)



- Red (18%)
- Yellow (59%)
- Blue (60%)



- Cyan (70%)
- Magenta (0%)
- Yellow (69%)
- Black (40%)





- Cyan (82%)
- Magenta (40%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5767, 0.3015, 0.5447 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 23.5767, 0.3015, 0.5447 by changing the saturation by 10% instead.


 23.5767, 0.3015,
0.5447


 23.5767, 0.3015,
0.5447


270.6734, 0.3153,
0.4165


 15.0199, 0.2930,
0.5837


 49.3385, 0.3096,
0.4928


 8.8334, 0.2777,
0.6369


 67.3124, 0.3116,
0.4749

 4.6327, 0.2589,
0.7411

 89.1941, 0.3129,
0.4605

 2.0334, 0.1659,
0.8341

 115.3679, 0.3138,
0.4485

 0.6268, 0.0000,
1.0000

 146.2184, 0.3144,
0.4386

 0.0000, 0.0000,
0.0000

 182.1299, 0.3148,

0.4301

223.4867, 0.3151,
0.4228

■ 23.5767, 0.3015,
0.5447

■ 23.5767, 0.3015,
0.5447

■ 23.1801, 0.3005,
0.5700

■ 24.1438, 0.3029,
0.5138

■ 22.9325, 0.3000,
0.5878

■ 24.8944, 0.3045,
0.4799

■ 22.7912, 0.2996,
0.5985

■ 25.8437, 0.3062,
0.4454

■ 22.7906, 0.2996,
0.5985

■ 27.0042, 0.3080,
0.4121

■ 28.3877, 0.3097,
0.3812

■ 30.0049, 0.3113,
0.3534

■ 31.8660, 0.3127,
0.3289

■ 33.9805, 0.3140,
0.3075

■ 36.3574, 0.3151,
0.2891

Harmonies

Analogous

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



23.5767, 0.4053, 0.5308



23.5767, 0.3015, 0.5447



23.5767, 0.2057, 0.4478

Triad

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



23.5767, 0.3015, 0.5447



23.5767, 0.1437, 0.1725



23.5767, 0.5100, 0.3044

Complementary

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



23.5767, 0.3015, 0.5447



10.9586, 0.3229, 0.1796

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.



23.5767, 0.4076, 0.2389



23.5767, 0.3015, 0.5447



23.5767, 0.1946, 0.1670

Square

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



23.5767, 0.3015, 0.5447



23.5767, 0.1275, 0.2145



23.5767, 0.2859, 0.1903



23.5767, 0.5388, 0.3777

Rectangle

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



23.5767, 0.3015, 0.5447



23.5767, 0.1607, 0.3522



23.5767, 0.2859, 0.1903



23.5767, 0.4822, 0.2814

Sweetspot

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



23.5777, 0.3015, 0.5447



50.4479, 0.3095, 0.3855



29.5818, 0.4030, 0.4829



10.9972, 0.3090, 0.3931



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.5777, 0.3015, 0.5447



41.2263, 0.3002, 0.5811



24.3093, 0.2682, 0.4382



6.9274, 0.3114, 0.3515



18.8351, 0.2995, 0.5983



0.2820, 0.2973, 0.5901

Inverse Universe

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



10.9586, 0.3229, 0.1796



17.1265, 0.3245, 0.1636



9.6007, 0.4248, 0.2501



6.3216, 0.3140, 0.3075



7.4209, 0.3256, 0.1567



0.1115, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 23.5767, 0.3015, 0.5447 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 23.5767, 0.3015, 0.5447 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 23.5767, 0.3015, 0.5447

Background



This preview shows how black text looks on a background with the Yxy color 23.5767, 0.3015, 0.5447.



This preview shows how white text looks on a background with the Yxy color 23.5767, 0.3015, 0.5447.

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

23.5767, 0.3015, 0.5447

Protanopia

23.2454, 0.4212, 0.4654

Deuteranopia

23.1096, 0.4377, 0.4303



Tritanopia

23.5073, 0.2430, 0.3064

Trichromacy



Original Color

23.5767, 0.3015, 0.5447



Protanomaly

22.3251, 0.3674, 0.4999



Deuteranomaly

21.9396, 0.3764, 0.4759



Tritanomaly

23.2184, 0.2657, 0.3929

Monochromacy



Original Color

23.5767, 0.3015, 0.5447



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.3338, 0.3076, 0.4136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5767, 0.3015, 0.5447 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(46, 153, 48)` looks like.

```
.text, #text, p{  
    color:rgb(46, 153, 48)  
}
```

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(46, 153, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 153, 48) }
```

Border

The CSS property to change the border of an element to Yxy 23.5767, 0.3015, 0.5447 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(46, 153, 48) }
```

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

```
.border{ border-color:rgb(46, 153, 48) }
```

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

Here you see how a box with a 4 pixel rgb(46, 153, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 153, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 153, 48);  
box-shadow:4px 4px 4px 4px rgb(46, 153,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5767, 0.3015, 0.5447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 153, 48) }
```

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

```
.background{ background-color: rgb(46, 153,  
48) }
```

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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