

Converting Colors

$Y_{xy}(29.5079, 0.2914, 0.4953)$

Have a look what the booklet for
Yxy(29.5079, 0.2914, 0.4953)
contains.

Yxy(29.5751, 0.2911, 0.4951)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.5751, 0.2911, 0.4951)$

Conversions

Conversions Part 1

Format	Color
Hex	3CA852
RGB	60, 168, 82
RGB Percent	24%, 66%, 32%
CMY	0.7647, 0.3412, 0.6785
CMYK	0.64, 0.00, 0.51, 0.34
HSL	132°, 47%, 45%
HSV	132°, 64%, 66%
XYZ	17.3890, 29.5751, 12.7715
YIQ	125.9040, -36.7620, -49.6420

Conversions

Conversions Part 2

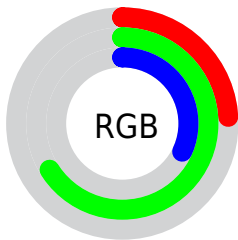
Format	Color
RYB	60, 150, 168
Decimal	3975250
CIELab	61.29, -49.28, 35.35
CIElCh	61, 60.650, 144.349
Yxy	29.5751, 0.2911, 0.4951
Android (android.graphics.Color)	4282165330 (0xFF3CA852)
YUV	125.9040, -21.6447, -57.7978
Hunter-Lab	54.3830, -38.0946, 24.1442

Details

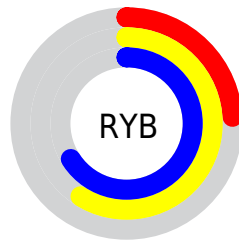
The Yxy color **29.5751, 0.2911, 0.4951** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.6342, 0.3520, 0.2091**, and the grayscale version is **20.9150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9267, 0.2985, 0.4569**, and **12.3713, 0.2877, 0.5556** is the 20% darker color. If you saturate the color by 10%, you get **28.9493, 0.2905, 0.5232**, and if you desaturate by 10%, it is **30.4092, 0.2929, 0.4656**.

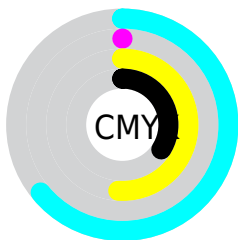
Distribution



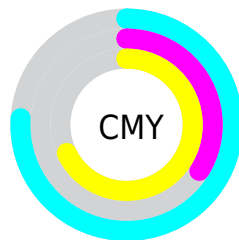
- Red (24%)
- Green (66%)
- Blue (32%)



- Red (24%)
- Yellow (59%)
- Blue (66%)



- Cyan (64%)
- Magenta (0%)
- Yellow (51%)
- Black (34%)





- Cyan (76%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5751, 0.2911, 0.4951 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 29.5751, 0.2911, 0.4951 by changing the saturation by 10% instead.


 29.5751, 0.2911,
0.4951


 29.5751, 0.2911,
0.4951


299.9188, 0.3069,
0.3993

 19.5163, 0.2847,
0.5237


 58.9896, 0.2985,
0.4569


 12.0439, 0.2745,
0.5632


 79.1140, 0.3007,
0.4436


 6.7736, 0.2570,
0.6203


 103.3625, 0.3024,
0.4328

 3.3209, 0.2355,
0.7434

 132.1194, 0.3037,
0.4238

 1.3015, 0.0000,
1.0000

 165.7691, 0.3048,
0.4162

 0.1424, 0.0000,
1.0000

204.6959, 0.3056,

 0.0000, 0.0000,

0.4098

0.0000

249.2844, 0.3063,
0.4042

■ 29.5751, 0.2911,
0.4951

■ 29.5751, 0.2911,
0.4951

■ 28.9493, 0.2905,
0.5232

■ 30.4092, 0.2929,
0.4656

■ 28.5094, 0.2911,
0.5483

■ 31.4643, 0.2956,
0.4362

■ 28.2344, 0.2929,
0.5689

■ 32.7562, 0.2990,
0.4081

■ 28.1229, 0.2940,
0.5784

■ 34.2984, 0.3029,
0.3820

■ 36.1033, 0.3069,
0.3583

■ 38.1824, 0.3110,
0.3372

■ 40.5466, 0.3150,
0.3187

■ 43.2062, 0.3188,
0.3024

■ 46.1710, 0.3225,
0.2883

Harmonies

Analogous

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



29.5751, 0.3817, 0.5075



29.5751, 0.2911, 0.4951



29.5751, 0.2112, 0.4047

Triad

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



29.5751, 0.2911, 0.4951



29.5751, 0.1718, 0.1908



29.5751, 0.4875, 0.3236

Complementary

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



29.5751, 0.2911, 0.4951



13.6342, 0.3520, 0.2091

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.



29.5751, 0.4113, 0.2626



29.5751, 0.2911, 0.4951



29.5751, 0.2244, 0.1900

Square

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



29.5751, 0.2911, 0.4951



29.5751, 0.1516, 0.2233



29.5751, 0.3096, 0.2154



29.5751, 0.5027, 0.3908

Rectangle

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



29.5751, 0.2911, 0.4951



29.5751, 0.1752, 0.3299



29.5751, 0.3096, 0.2154



29.5751, 0.4678, 0.3023

Sweetspot

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



29.5763, 0.2911, 0.4951



63.7913, 0.3049, 0.3700



34.4808, 0.3780, 0.4874



13.7120, 0.3038, 0.3766



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.5763, 0.2911, 0.4951



52.1617, 0.2906, 0.5341



30.7337, 0.2567, 0.3889



8.4318, 0.3090, 0.3475



21.2427, 0.2936, 0.5770



0.5236, 0.2775, 0.5189

Inverse Universe

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



13.6342, 0.3520, 0.2091



20.9258, 0.3632, 0.1938



12.3379, 0.4520, 0.2829



7.6401, 0.3167, 0.3112



7.5899, 0.3790, 0.1862



0.1911, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 29.5751, 0.2911, 0.4951 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 29.5751, 0.2911, 0.4951 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 29.5751, 0.2911, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 29.5751, 0.2911, 0.4951.



This preview shows how white text looks on a background with the Yxy color 29.5751, 0.2911, 0.4951.

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

29.5751, 0.2911, 0.4951

Protanopia

29.0568, 0.3999, 0.4368

Deuteranopia

28.9424, 0.4105, 0.4022



Tritanopia

29.3724, 0.2445, 0.3068

Trichromacy



Original Color

29.5751, 0.2911, 0.4951



Protanomaly

28.3527, 0.3508, 0.4614



Deuteranomaly

27.6355, 0.3575, 0.4375



Tritanomaly

29.2825, 0.2616, 0.3711

Monochromacy



Original Color

29.5751, 0.2911, 0.4951



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.0003, 0.3016, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5751, 0.2911, 0.4951 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(60, 168, 82)` looks like.

```
.text, #text, p{  
    color:rgb(60, 168, 82)  
}
```

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(60, 168, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 168, 82) }
```

Border

The CSS property to change the border of an element to Yxy 29.5751, 0.2911, 0.4951 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(60, 168, 82) }
```

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

```
.border{ border-color:rgb(60, 168, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 168, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 168, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 168, 82);  
box-shadow:4px 4px 4px 4px rgb(60, 168,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5751, 0.2911, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 168, 82) }
```

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

```
.background{ background-color: rgb(60, 168,  
82) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor