

Converting Colors

$Yxy(27.1042, 0.3008, 0.5443)$

Have a look what the booklet for
Yxy(27.1042, 0.3008, 0.5443)
contains.

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Color

Yxy(27.0953, 0.3011, 0.5444)

Conversions

Conversions Part 1

Format	Color
Hex	31A334
RGB	49, 163, 52
RGB Percent	19%, 64%, 20%
CMY	0.8076, 0.3608, 0.7960
CMYK	0.70, 0.00, 0.68, 0.36
HSL	122°, 54%, 42%
HSV	122°, 70%, 64%
XYZ	14.9860, 27.0953, 7.6896
YIQ	116.2600, -32.3130, -58.6890

Conversions

Conversions Part 2

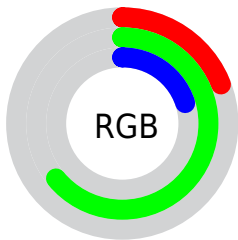
Format	Color
RYB	49, 160, 163
Decimal	3253044
CIELab	59.06, -53.43, 46.75
CIElCh	59, 70.992, 138.814
Yxy	27.0953, 0.3011, 0.5444
Android (android.graphics.Color)	4281443124 (0xFF31A334)
YUV	116.2600, -31.6802, -58.9870
Hunter-Lab	52.0531, -39.7031, 27.6785

Details

The Yxy color **27.0953, 0.3011, 0.5444** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.5282, 0.3241, 0.1800**, and the grayscale version is **17.6618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0420, 0.3088, 0.4944**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.6415, 0.3002, 0.5697**, and if you desaturate by 10%, it is **27.7461, 0.3024, 0.5135**.

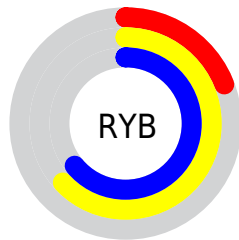
Distribution



Red (19%)

Green (64%)

Blue (20%)



Red (19%)

Yellow (63%)

Blue (64%)

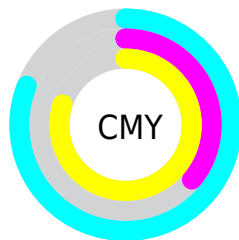


Cyan (70%)

Magenta (0%)

Yellow (68%)

Black (36%)



Cyan (81%)


Magenta (36%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0953, 0.3011, 0.5444 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 27.0953, 0.3011, 0.5444 by changing the saturation by 10% instead.

 27.0953, 0.3011,
0.5444


 27.0953, 0.3011,
0.5444


288.1183, 0.3150,
0.4188


 17.6448, 0.2931,
0.5813


 55.0368, 0.3090,
0.4944


 10.6953, 0.2791,
0.6311


 74.2965, 0.3110,
0.4769

 5.8623, 0.2582,
0.7132

 97.5948, 0.3124,
0.4627

 2.7615, 0.2026,
0.7974

 125.3160, 0.3133,
0.4509

 1.0085, 0.0000,
1.0000

 157.8446, 0.3140,
0.4409

 0.0000, 0.0000,
0.0000

 195.5649, 0.3144,

0.4325

238.8613, 0.3147,
0.4252

■ 27.0953, 0.3011,
0.5444

■ 27.0953, 0.3011,
0.5444

■ 26.6415, 0.3002,
0.5697

■ 27.7461, 0.3024,
0.5135

■ 26.3596, 0.2998,
0.5876

■ 28.6091, 0.3041,
0.4796

■ 26.2045, 0.2995,
0.5980

■ 29.7017, 0.3059,
0.4450

■ 26.2031, 0.2995,
0.5981

■ 31.0388, 0.3077,
0.4118

■ 32.6339, 0.3095,
0.3809

■ 34.4996, 0.3112,
0.3532

■ 36.6476, 0.3127,
0.3288

■ 39.0889, 0.3141,
0.3075

■ 41.8341, 0.3154,
0.2891

Harmonies

Analogous

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



27.0953, 0.4049, 0.5309



27.0953, 0.3011, 0.5444



27.0953, 0.2054, 0.4472

Triad

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



27.0953, 0.3011, 0.5444



27.0953, 0.1439, 0.1725



27.0953, 0.5102, 0.3048

Complementary

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



27.0953, 0.3011, 0.5444



12.5282, 0.3241, 0.1800

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.



27.0953, 0.4080, 0.2392



27.0953, 0.3011, 0.5444



27.0953, 0.1950, 0.1671

Square

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



27.0953, 0.3011, 0.5444



27.0953, 0.1276, 0.2143



27.0953, 0.2864, 0.1905



27.0953, 0.5386, 0.3780

Rectangle

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



27.0953, 0.3011, 0.5444



27.0953, 0.1606, 0.3517



27.0953, 0.2864, 0.1905



27.0953, 0.4825, 0.2818

Sweetspot

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



27.0964, 0.3011, 0.5444



57.9902, 0.3092, 0.3854



34.0036, 0.4032, 0.4833



12.8503, 0.3088, 0.3933



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.



27.0964, 0.3011, 0.5444



47.3929, 0.2999, 0.5808



27.9296, 0.2681, 0.4387



7.8979, 0.3113, 0.3516



20.3662, 0.2994, 0.5978



0.4288, 0.2965, 0.5875

Inverse Universe

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



12.5282, 0.3241, 0.1800



19.5890, 0.3260, 0.1642



10.9905, 0.4255, 0.2500



7.1990, 0.3141, 0.3074



7.9923, 0.3273, 0.1577



0.1689, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 27.0953, 0.3011, 0.5444 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 27.0953, 0.3011, 0.5444 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 27.0953, 0.3011, 0.5444

Background



This preview shows how black text looks on a background with the Yxy color 27.0953, 0.3011, 0.5444.



This preview shows how white text looks on a background with the Yxy color 27.0953, 0.3011, 0.5444.

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

27.0953, 0.3011, 0.5444

Protanopia

26.5161, 0.4226, 0.4647

Deuteranopia

26.5120, 0.4378, 0.4288



Tritanopia

26.8786, 0.2427, 0.3059

Trichromacy



Original Color

27.0953, 0.3011, 0.5444



Protanomaly

25.5598, 0.3673, 0.5006



Deuteranomaly

25.2234, 0.3764, 0.4760



Tritanomaly

26.4974, 0.2655, 0.3913

Monochromacy



Original Color

27.0953, 0.3011, 0.5444



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.8407, 0.3077, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0953, 0.3011, 0.5444 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(49, 163, 52)` looks like.

```
.text, #text, p{  
    color:rgb(49, 163, 52)  
}
```

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(49, 163, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 163, 52) }
```

Border

The CSS property to change the border of an element to Yxy 27.0953, 0.3011, 0.5444 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(49, 163, 52) }
```

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

```
.border{ border-color:rgb(49, 163, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 163, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 163, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 163, 52);  
box-shadow:4px 4px 4px 4px rgb(49, 163,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0953, 0.3011, 0.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 163, 52) }
```

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

```
.background{ background-color: rgb(49, 163,  
52) }
```

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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