

Converting Colors

$Yxy(27.1476, 0.2752, 0.4958)$

Have a look what the booklet for
Yxy(27.1476, 0.2752, 0.4958)
contains.

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Color

Yxy(27.0011, 0.2749, 0.4944)

Conversions

Conversions Part 1

Format	Color
Hex	17A353
RGB	23, 163, 83
RGB Percent	9%, 64%, 33%
CMY	0.9093, 0.3608, 0.6746
CMYK	0.86, 0.00, 0.49, 0.36
HSL	146°, 75%, 36%
HSV	146°, 86%, 64%
XYZ	15.0134, 27.0011, 12.5994
YIQ	112.0200, -57.7600, -54.5600

Conversions

Conversions Part 2

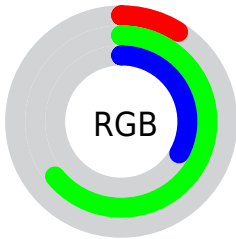
Format	Color
R_{YB}	23, 121, 163
Decimal	1549139
CIE _{Lab}	58.98, -52.89, 31.81
CIE _{LCh}	59, 61.716, 148.977
Y _{xy}	27.0011, 0.2749, 0.4944
Android (android.graphics.Color)	4279739219 (0xFF17A353)
YUV	112.0200, -14.3069, -78.0705
Hunter-Lab	51.9626, -39.3612, 21.9977

Details

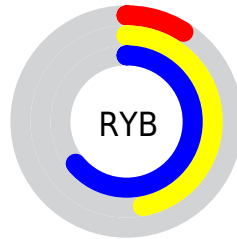
The Yxy color **27.0011, 0.2749, 0.4944** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.3868, 0.4359, 0.2290**, and the grayscale version is **16.2761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8711, 0.2856, 0.4548**, and **11.2732, 0.2853, 0.5470** is the 20% darker color. If you saturate the color by 10%, you get **26.7281, 0.2773, 0.5145**, and if you desaturate by 10%, it is **27.4121, 0.2743, 0.4730**.

Distribution



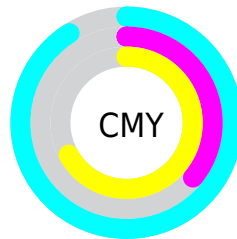
- Red (9%)
- Green (64%)
- Blue (33%)



- Red (9%)
- Yellow (47%)
- Blue (64%)



- Cyan (86%)
- Magenta (0%)
- Yellow (49%)
- Black (36%)





- Cyan (91%)
- Magenta (36%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0011, 0.2749, 0.4944 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 27.0011, 0.2749, 0.4944 by changing the saturation by 10% instead.

 27.0011, 0.2749,
0.4944


 27.0011, 0.2749,
0.4944


287.6624, 0.2995,
0.3974


 17.5740, 0.2660,
0.5244


 54.8856, 0.2856,
0.4551

 10.6446, 0.2524,
0.5666


 74.1119, 0.2891,
0.4416

 5.8284, 0.2300,
0.6294

 97.3734, 0.2918,
0.4307

 2.7410, 0.2010,
0.7809

 125.0544, 0.2940,
0.4217

 0.9981, 0.0000,
1.0000

 157.5395, 0.2957,
0.4141

 0.0000, 0.0000,
0.0000

 195.2129, 0.2972,

0.4077

238.4591, 0.2985,
0.4022

■ 27.0011, 0.2749,
0.4944

■ 27.0011, 0.2749,
0.4944

■ 26.7281, 0.2773,
0.5145

■ 27.4121, 0.2743,
0.4730

■ 26.6333, 0.2785,
0.5225

■ 27.9793, 0.2755,
0.4509

■ 28.7199, 0.2784,
0.4290

■ 29.6481, 0.2828,
0.4078

■ 30.7764, 0.2883,
0.3877

■ 32.1163, 0.2946,
0.3692

■ 33.6784, 0.3014,
0.3523

■ 35.4726, 0.3085,
0.3371

■ 37.5081, 0.3157,
0.3235

Harmonies

Analogous

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



27.0011, 0.3689, 0.5194



27.0011, 0.2749, 0.4944



27.0011, 0.1963, 0.3899

Triad

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



27.0011, 0.2749, 0.4944



27.0011, 0.1726, 0.1834



27.0011, 0.5027, 0.3327

Complementary

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



27.0011, 0.2749, 0.4944



9.3868, 0.4359, 0.2290

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.



27.0011, 0.4313, 0.2686



27.0011, 0.2749, 0.4944



27.0011, 0.2320, 0.1872

Square

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



27.0011, 0.2749, 0.4944



27.0011, 0.1469, 0.2108



27.0011, 0.3253, 0.2172



27.0011, 0.5071, 0.4025

Rectangle

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



27.0011, 0.2749, 0.4944



27.0011, 0.1633, 0.3123



27.0011, 0.3253, 0.2172



27.0011, 0.4857, 0.3105

Sweetspot

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



27.0022, 0.2749, 0.4944



57.3443, 0.2942, 0.3704



29.2431, 0.3544, 0.5441



12.6944, 0.2920, 0.3763



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.



27.0022, 0.2749, 0.4944



47.6600, 0.2794, 0.5258



28.6235, 0.2336, 0.3506



7.9430, 0.3061, 0.3421



20.7079, 0.2780, 0.5208



0.4445, 0.2578, 0.4481

Inverse Universe

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



9.3868, 0.4359, 0.2290



15.3277, 0.4672, 0.2347



8.5246, 0.5901, 0.3201



7.1507, 0.3200, 0.3162



6.6785, 0.4622, 0.2320



0.1495, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 27.0011, 0.2749, 0.4944 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 27.0011, 0.2749, 0.4944 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 27.0011, 0.2749, 0.4944

Background



This preview shows how black text looks on a background with the Yxy color 27.0011, 0.2749, 0.4944.



This preview shows how white text looks on a background with the Yxy color 27.0011, 0.2749, 0.4944.

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

27.0011, 0.2749, 0.4944

Protanopia

26.5263, 0.3964, 0.4325

Deuteranopia

26.6122, 0.4038, 0.3967



Tritanopia

26.9882, 0.2348, 0.3074

Trichromacy



Original Color

27.0011, 0.2749, 0.4944



Protanomaly

25.1708, 0.3339, 0.4622



Deuteranomaly

24.7208, 0.3384, 0.4361



Tritanomaly

26.5696, 0.2479, 0.3697

Monochromacy



Original Color

27.0011, 0.2749, 0.4944



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.8777, 0.2877, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0011, 0.2749, 0.4944 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(23, 163, 83)` looks like.

```
.text, #text, p{  
    color:rgb(23, 163, 83)  
}
```

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(23, 163, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 163, 83) }
```

Border

The CSS property to change the border of an element to Yxy 27.0011, 0.2749, 0.4944 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(23, 163, 83) }
```

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

```
.border{ border-color:rgb(23, 163, 83) }
```

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

Here you see how a box with a 4 pixel rgb(23, 163, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 163, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 163, 83);  
box-shadow:4px 4px 4px 4px rgb(23, 163,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0011, 0.2749, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 163, 83) }
```

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

```
.background{ background-color: rgb(23, 163,  
83) }
```

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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