

Converting Colors

$Yxy(26.1353, 0.2435, 0.4826)$

Have a look what the booklet for
Yxy(26.1353, 0.2435, 0.4826)
contains.

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Color

Yxy(27.0025, 0.2646, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	00A35E
RGB	0, 163, 94
RGB Percent	0%, 64%, 37%
CMY	1.0000, 0.3608, 0.6313
CMYK	1.00, 0.00, 0.42, 0.36
HSL	155°, 100%, 32%
HSV	155°, 100%, 64%
XYZ	15.1150, 27.0025, 15.0065
YIQ	106.3970, -74.9990, -56.0150

Conversions

Conversions Part 2

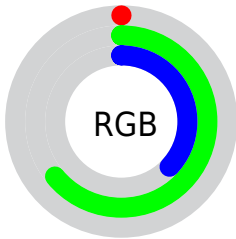
Format	Color
RYB	0, 103, 163
Decimal	41822
CIELab	58.98, -52.28, 25.96
CIELCh	59, 58.376, 153.594
Yxy	27.0025, 0.2646, 0.4727
Android (android.graphics.Color)	4278231902 (0xFF00A35E)
YUV	106.3970, -6.1117, -93.3102
Hunter-Lab	51.9639, -39.0157, 19.2526

Details

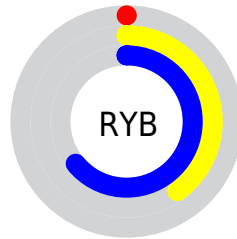
The Yxy color **27.0025, 0.2646, 0.4727** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2170, 0.5260, 0.2671**, and the grayscale version is **14.5619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8312, 0.2766, 0.4388**, and **11.3491, 0.2775, 0.5188** is the 20% darker color. If you saturate the color by 10%, you get **27.0055, 0.2646, 0.4727**, and if you desaturate by 10%, it is **27.2478, 0.2626, 0.4569**.

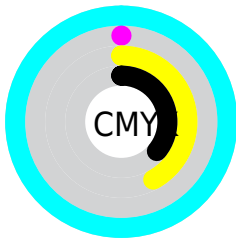
Distribution



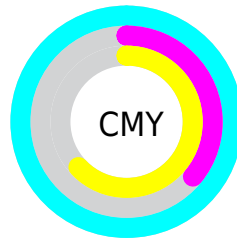
- Red (0%)
- Green (64%)
- Blue (37%)



- Red (0%)
- Yellow (40%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0025, 0.2646, 0.4727 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 27.0025, 0.2646, 0.4727 by changing the saturation by 10% instead.


 27.0025, 0.2646,
0.4727


 27.0025, 0.2646,
0.4727


287.6692, 0.2938,
0.3887


 17.5751, 0.2550,
0.4987


 54.8879, 0.2767,
0.4387


 10.6454, 0.2410,
0.5357


 74.1146, 0.2808,
0.4270

 5.8289, 0.2190,
0.5915

 97.3767, 0.2840,
0.4176

 2.7413, 0.1831,
0.6968

 125.0583, 0.2867,
0.4098

 0.9982, 0.0000,
1.0000

 157.5440, 0.2889,
0.4032

 0.0000, 0.0000,
0.0000

 195.2181, 0.2908,

0.3976

238.4651, 0.2924,
0.3928

■ 27.0025, 0.2646,
0.4727

■ 27.0025, 0.2646,
0.4727

■ 27.0055, 0.2646,
0.4727

■ 27.2478, 0.2626,
0.4569

■ 27.5926, 0.2621,
0.4408

■ 28.0788, 0.2636,
0.4245

■ 28.7234, 0.2670,
0.4083

■ 29.5408, 0.2720,
0.3927

■ 30.5438, 0.2785,
0.3778

■ 31.7439, 0.2861,
0.3639

■ 33.1517, 0.2945,
0.3511

■ 34.7771, 0.3035,
0.3395

Harmonies

Analogous

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



27.0025, 0.3541, 0.5109



27.0025, 0.2646, 0.4727



27.0025, 0.1934, 0.3693

Triad

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



27.0025, 0.2646, 0.4727



27.0025, 0.1852, 0.1884



27.0025, 0.4979, 0.3440

Complementary

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



27.0025, 0.2646, 0.4727



8.2170, 0.5260, 0.2671

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.



27.0025, 0.4388, 0.2808



27.0025, 0.2646, 0.4727



27.0025, 0.2479, 0.1960

Square

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



27.0025, 0.2646, 0.4727



27.0025, 0.1555, 0.2103



27.0025, 0.3406, 0.2285



27.0025, 0.4935, 0.4118

Rectangle

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



27.0025, 0.2646, 0.4727



27.0025, 0.1651, 0.2990



27.0025, 0.3406, 0.2285



27.0025, 0.4849, 0.3222

Sweetspot

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



27.0055, 0.2646, 0.4727



56.7157, 0.2857, 0.3647



27.5231, 0.3287, 0.5772



12.5364, 0.2825, 0.3701



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.



27.0055, 0.2646, 0.4727



48.3188, 0.2654, 0.4754



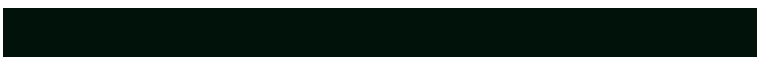
25.1468, 0.2190, 0.3083



7.9603, 0.3041, 0.3387



20.9953, 0.2642, 0.4713



0.4503, 0.2482, 0.4136

Inverse Universe

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



8.2170, 0.5260, 0.2671



14.6763, 0.5304, 0.2696



8.0237, 0.6345, 0.3344



7.1334, 0.3222, 0.3195



6.3942, 0.5237, 0.2659



0.1437, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 27.0025, 0.2646, 0.4727 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 27.0025, 0.2646, 0.4727 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 27.0025, 0.2646, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 27.0025, 0.2646, 0.4727.



This preview shows how white text looks on a background with the Yxy color 27.0025, 0.2646, 0.4727.

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

27.0025, 0.2646, 0.4727

Protanopia

26.5917, 0.3847, 0.4170

Deuteranopia

26.5924, 0.3893, 0.3812



Tritanopia

27.1934, 0.2324, 0.3073

Trichromacy



Original Color

27.0025, 0.2646, 0.4727



Protanomaly

24.8128, 0.3157, 0.4454



Deuteranomaly

24.2584, 0.3176, 0.4188



Tritanomaly

26.7592, 0.2414, 0.3638

Monochromacy



Original Color

27.0025, 0.2646, 0.4727



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.3313, 0.2740, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0025, 0.2646, 0.4727 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(0, 163, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 94)  
}
```

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(0, 163, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 94) }
```

Border

The CSS property to change the border of an element to Yxy 27.0025, 0.2646, 0.4727 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(0, 163, 94) }
```

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

```
.border{ border-color:rgb(0, 163, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.0025, 0.2646, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 94) }
```

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

```
.background{ background-color: rgb(0, 163,  
94) }
```

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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