

Converting Colors

$Y_{xy}(26.6254, 0.3459, 0.5169)$

Have a look what the booklet for
Yxy(26.6254, 0.3459, 0.5169)
contains.

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Color

Yxy(26.4892, 0.3459, 0.5161)

Conversions

Conversions Part 1

Format	Color
Hex	669B31
RGB	102, 155, 49
RGB Percent	40%, 61%, 19%
CMY	0.6001, 0.3921, 0.8078
CMYK	0.34, 0.00, 0.68, 0.39
HSL	90°, 52%, 40%
HSV	90°, 68%, 61%
XYZ	17.7536, 26.4892, 7.0829
YIQ	127.0690, 2.4380, -44.2020

Conversions

Conversions Part 2

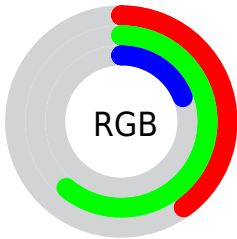
Format	Color
R_{YB}	49, 155, 102
Decimal	6724401
CIE _{Lab}	58.50, -35.30, 48.01
CIE _{LCh}	58, 59.590, 126.325
Y _{xy}	26.4892, 0.3459, 0.5161
Android (android.graphics.Color)	4284914481 (0xFF669B31)
YUV	127.0690, -38.4880, -21.9855
Hunter-Lab	51.4677, -28.4955, 27.8679

Details

The Yxy color **26.4892, 0.3459, 0.5161** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.3902, 0.2419, 0.1430**, and the grayscale version is **21.3818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1007, 0.3433, 0.4750**, and **10.3289, 0.3358, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **25.9493, 0.3453, 0.5384**, and if you desaturate by 10%, it is **27.1189, 0.3444, 0.4901**.

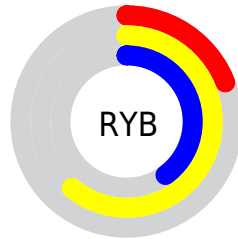
Distribution



Red (40%)

Green (61%)

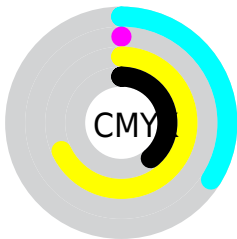
Blue (19%)



Red (19%)

Yellow (61%)

Blue (40%)

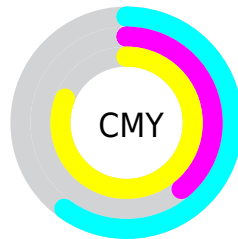


Cyan (34%)

Magenta (0%)

Yellow (68%)

Black (39%)



Cyan (60%)


Magenta (39%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4892, 0.3459, 0.5161 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 26.4892, 0.3459, 0.5161 by changing the saturation by 10% instead.


 26.4892, 0.3459,
0.5161


 26.4892, 0.3459,
0.5161

285.1753, 0.3343,
0.4099


 17.1900, 0.3452,
0.5458


 54.0631, 0.3438,
0.4748

 10.3700, 0.3409,
0.5846


 73.1066, 0.3423,
0.4600

 5.6450, 0.3374,
0.6535

 96.1669, 0.3407,
0.4479

 2.6304, 0.2965,
0.7035

 123.6285, 0.3392,
0.4377

 0.9420, 0.0334,
0.9666

 155.8757, 0.3378,
0.4292

 0.0000, 0.0000,
0.0000

 193.2930, 0.3365,

0.4218

236.2648, 0.3354,
0.4154

■ 26.4892, 0.3459,
0.5161

■ 26.4892, 0.3459,
0.5161

■ 25.9493, 0.3453,
0.5384

■ 27.1189, 0.3444,
0.4901

■ 25.4896, 0.3426,
0.5557

■ 27.8400, 0.3412,
0.4618

■ 25.1006, 0.3382,
0.5683

■ 28.6586, 0.3366,
0.4325

■ 25.0422, 0.3375,
0.5702

■ 29.5790, 0.3310,
0.4035

■ 30.6053, 0.3247,
0.3756

■ 31.7412, 0.3182,
0.3494

■ 32.9904, 0.3117,
0.3253

■ 34.3562, 0.3052,
0.3033

■ 35.8420, 0.2991,
0.2835

Harmonies

Analogous

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



26.4892, 0.4329, 0.4846



26.4892, 0.3459, 0.5161



26.4892, 0.2552, 0.4694

Triad

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



26.4892, 0.3459, 0.5161



26.4892, 0.1537, 0.2039



26.4892, 0.4500, 0.2849

Complementary

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



26.4892, 0.3459, 0.5161



7.3902, 0.2419, 0.1430

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.



26.4892, 0.3507, 0.2304



26.4892, 0.3459, 0.5161



26.4892, 0.1868, 0.1850

Square

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



26.4892, 0.3459, 0.5161



26.4892, 0.1522, 0.2604



26.4892, 0.2537, 0.1952



26.4892, 0.5050, 0.3498

Rectangle

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



26.4892, 0.3459, 0.5161



26.4892, 0.2050, 0.3986



26.4892, 0.2537, 0.1952



26.4892, 0.4196, 0.2652

Sweetspot

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



26.4904, 0.3459, 0.5161



54.2296, 0.3267, 0.3838



16.6948, 0.4630, 0.4106



12.1675, 0.3283, 0.3909



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.4904, 0.3459, 0.5161



46.0214, 0.3441, 0.5481



24.3198, 0.3027, 0.5435



7.0696, 0.3188, 0.3515



20.1348, 0.3381, 0.5698



0.3226, 0.3714, 0.5433

Inverse Universe

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



7.3902, 0.2419, 0.1430



9.4303, 0.2225, 0.1114



11.5329, 0.3197, 0.1796



6.1705, 0.3062, 0.3065



3.2088, 0.2045, 0.0900



0.0696, 0.2522, 0.1163

Previews

White Background



This preview shows how the Yxy color 26.4892, 0.3459, 0.5161 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 26.4892, 0.3459, 0.5161 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 26.4892, 0.3459, 0.5161

Background



This preview shows how black text looks on a background with the Yxy color 26.4892, 0.3459, 0.5161.



This preview shows how white text looks on a background with the Yxy color 26.4892, 0.3459, 0.5161.

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

26.4892, 0.3459, 0.5161

Protanopia

26.1137, 0.4232, 0.4651

Deuteranopia

26.0691, 0.4419, 0.4334



Tritanopia

26.4330, 0.2753, 0.3102

Trichromacy



Original Color

26.4892, 0.3459, 0.5161

Protanomaly

25.7664, 0.3938, 0.4847

Deuteranomaly

25.6120, 0.4054, 0.4634

Tritanomaly

26.2240, 0.3050, 0.3875

Monochromacy



Original Color

26.4892, 0.3459, 0.5161

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.6437, 0.3304, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4892, 0.3459, 0.5161 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(102, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(102, 155, 49)  
}
```

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(102, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 155, 49) }
```

Border

The CSS property to change the border of an element to Yxy 26.4892, 0.3459, 0.5161 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(102, 155, 49) }
```

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

```
.border{ border-color:rgb(102, 155, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 155, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(102, 155,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4892, 0.3459, 0.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 155, 49) }
```

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

```
.background{ background-color: rgb(102,  
155, 49) }
```

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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