

Converting Colors

$Y_{xy}(26.8013, 0.3530, 0.4901)$

Have a look what the booklet for
Yxy(26.8013, 0.3530, 0.4901)
contains.

Yxy(26.7642, 0.3533, 0.4899)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7642, 0.3533, 0.4899)

Conversions

Conversions Part 1

Format	Color
Hex	73993D
RGB	115, 153, 61
RGB Percent	45%, 60%, 24%
CMY	0.5491, 0.4000, 0.7607
CMYK	0.25, 0.00, 0.60, 0.40
HSL	85°, 43%, 42%
HSV	85°, 60%, 60%
XYZ	19.3015, 26.7642, 8.5663
YIQ	131.1500, 6.8840, -36.6680

Conversions

Conversions Part 2

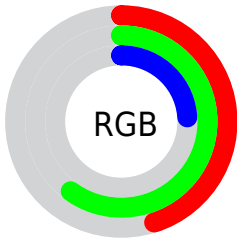
Format	Color
RYB	61, 153, 99
Decimal	7575869
CIELab	58.76, -28.33, 43.19
CIELCh	59, 51.652, 123.262
Yxy	26.7642, 0.3533, 0.4899
Android (android.graphics.Color)	4285765949 (0xFF73993D)
YUV	131.1500, -34.5840, -14.1636
Hunter-Lab	51.7341, -23.9382, 26.3965

Details

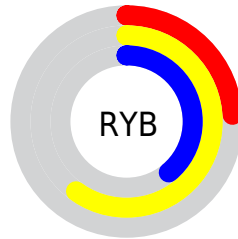
The Yxy color **26.7642, 0.3533, 0.4899** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.2959, 0.2420, 0.1597**, and the grayscale version is **22.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7166, 0.3480, 0.4550**, and **10.5705, 0.3552, 0.5499** is the 20% darker color. If you saturate the color by 10%, you get **26.2091, 0.3557, 0.5138**, and if you desaturate by 10%, it is **27.3982, 0.3490, 0.4633**.

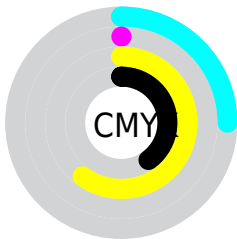
Distribution



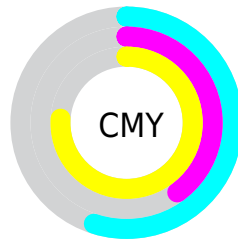
- Red (45%)
- Green (60%)
- Blue (24%)



- Red (24%)
- Yellow (60%)
- Blue (39%)



- Cyan (25%)
- Magenta (0%)
- Yellow (60%)
- Black (40%)





- Cyan (55%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7642, 0.3533, 0.4899 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 26.7642, 0.3533, 0.4899 by changing the saturation by 10% instead.


 26.7642, 0.3533,
0.4899


 26.7642, 0.3533,
0.4899


286.5136, 0.3358,
0.3992


 17.3962, 0.3553,
0.5153


 54.5053, 0.3483,
0.4546

 10.5174, 0.3556,
0.5490


 73.6471, 0.3459,
0.4421

 5.7433, 0.3538,
0.5995

 96.8157, 0.3438,
0.4317

 2.6896, 0.3363,
0.6637

 124.3954, 0.3418,
0.4230

 0.9719, 0.1911,
0.8089

 156.7707, 0.3401,
0.4157

 0.0000, 0.0000,
0.0000

 194.3259, 0.3385,

0.4094

237.4454, 0.3371,
0.4040

■ 26.7642, 0.3533,
0.4899

■ 26.7642, 0.3533,
0.4899

■ 26.2091, 0.3557,
0.5138

■ 27.3982, 0.3490,
0.4633

■ 25.7246, 0.3558,
0.5338

■ 28.1116, 0.3431,
0.4354

■ 25.3064, 0.3537,
0.5491

■ 28.9097, 0.3362,
0.4073

■ 24.9459, 0.3500,
0.5603

■ 29.7958, 0.3286,
0.3798

■ 30.7733, 0.3207,
0.3537

■ 31.8453, 0.3128,
0.3293

■ 33.0148, 0.3051,
0.3069

■ 34.2845, 0.2977,
0.2865

■ 35.6572, 0.2906,
0.2680

Harmonies

Analogous

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



26.7642, 0.4281, 0.4630



26.7642, 0.3533, 0.4899



26.7642, 0.2721, 0.4550

Triad

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



26.7642, 0.3533, 0.4899



26.7642, 0.1693, 0.2229



26.7642, 0.4240, 0.2857

Complementary

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



26.7642, 0.3533, 0.4899



8.2959, 0.2420, 0.1597

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.



26.7642, 0.3372, 0.2375



26.7642, 0.3533, 0.4899



26.7642, 0.1967, 0.2014

Square

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



26.7642, 0.3533, 0.4899



26.7642, 0.1718, 0.2783



26.7642, 0.2542, 0.2077



26.7642, 0.4775, 0.3444

Rectangle

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



26.7642, 0.3533, 0.4899



26.7642, 0.2253, 0.3988



26.7642, 0.2542, 0.2077



26.7642, 0.3969, 0.2681

Sweetspot

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



26.7654, 0.3533, 0.4899



53.6509, 0.3272, 0.3751



15.8114, 0.4510, 0.3890



11.7470, 0.3293, 0.3823



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



26.7654, 0.3533, 0.4899



46.6314, 0.3560, 0.5209



24.4327, 0.3107, 0.5137



7.0955, 0.3200, 0.3514



20.6347, 0.3505, 0.5599



0.3298, 0.3808, 0.5358

Inverse Universe

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



8.2959, 0.2420, 0.1597



10.5561, 0.2224, 0.1252



11.5522, 0.3056, 0.1869



6.1448, 0.3049, 0.3064



2.8002, 0.1888, 0.0814



0.0624, 0.2376, 0.1083

Previews

White Background



This preview shows how the Yxy color 26.7642, 0.3533, 0.4899 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 26.7642, 0.3533, 0.4899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

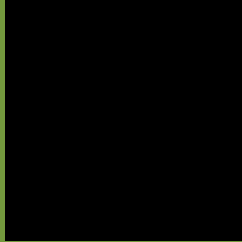
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.7642, 0.3533, 0.4899

Background



This preview shows how black text looks on a background with the Yxy color 26.7642, 0.3533, 0.4899.



This preview shows how white text looks on a background with the Yxy color 26.7642, 0.3533, 0.4899.

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

26.7642, 0.3533, 0.4899

Protanopia

26.5233, 0.4131, 0.4529

Deuteranopia

26.4541, 0.4323, 0.4237



Tritanopia

26.5235, 0.2853, 0.3089

Trichromacy



Original Color

26.7642, 0.3533, 0.4899

Protanomaly

26.3173, 0.3910, 0.4663

Deuteranomaly

26.2037, 0.4028, 0.4469

Tritanomaly

26.4589, 0.3126, 0.3751

Monochromacy



Original Color

26.7642, 0.3533, 0.4899

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.8658, 0.3309, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7642, 0.3533, 0.4899 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(115, 153, 61)` looks like.

```
.text, #text, p{  
    color:rgb(115, 153, 61)  
}
```

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(115, 153, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 153, 61) }
```

Border

The CSS property to change the border of an element to Yxy 26.7642, 0.3533, 0.4899 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(115, 153, 61) }
```

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

```
.border{ border-color:rgb(115, 153, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 153, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 153, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 153, 61);  
box-shadow:4px 4px 4px 4px rgb(115, 153,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7642, 0.3533, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 153, 61) }
```

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

```
.background{ background-color: rgb(115,  
153, 61) }
```

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