

Converting Colors

$Y_{xy}(26.6639, 0.3518, 0.5224)$

Have a look what the booklet for
Yxy(26.6639, 0.3518, 0.5224)
contains.

Yxy(26.6131, 0.3525, 0.5223)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.6131, 0.3525, 0.5223)

Conversions

Conversions Part 1

Format	Color
Hex	699B2A
RGB	105, 155, 42
RGB Percent	41%, 61%, 16%
CMY	0.5884, 0.3921, 0.8353
CMYK	0.32, 0.00, 0.73, 0.39
HSL	87°, 57%, 39%
HSV	87°, 73%, 61%
XYZ	17.9612, 26.6131, 6.3794
YIQ	127.1680, 6.4730, -45.7430

Conversions

Conversions Part 2

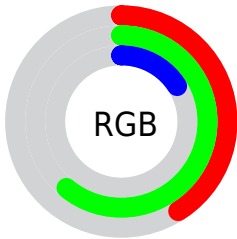
Format	Color
R_{YB}	42, 155, 92
Decimal	6921002
CIE _{Lab}	58.61, -34.69, 50.97
CIE _{LCh}	59, 61.652, 124.240
Yxy	26.6131, 0.3525, 0.5223
Android (android.graphics.Color)	4285111082 (0xFF699B2A)
YUV	127.1680, -41.9878, -19.4413
Hunter-Lab	51.5879, -28.1311, 28.7797

Details

The Yxy color **26.6131, 0.3525, 0.5223** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.2997, 0.2273, 0.1283**, and the grayscale version is **21.4270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3930, 0.3498, 0.4803**, and **10.4043, 0.3396, 0.5685** is the 20% darker color. If you saturate the color by 10%, you get **26.1251, 0.3516, 0.5415**, and if you desaturate by 10%, it is **27.1799, 0.3512, 0.4988**.

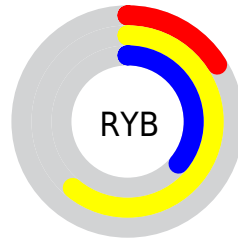
Distribution



Red (41%)

Green (61%)

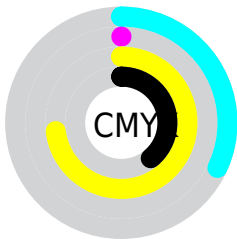
Blue (16%)



Red (16%)

Yellow (61%)

Blue (36%)

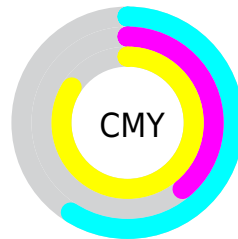


Cyan (32%)

Magenta (0%)

Yellow (73%)

Black (39%)



Cyan (59%)


Magenta (39%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6131, 0.3525, 0.5223 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 26.6131, 0.3525, 0.5223 by changing the saturation by 10% instead.


 26.6131, 0.3525,
0.5223


 26.6131, 0.3525,
0.5223


285.7789, 0.3381,
0.4134


 17.2829, 0.3520,
0.5520


 54.2624, 0.3497,
0.4803


 10.4364, 0.3477,
0.5902


 73.3502, 0.3478,
0.4652

 5.6892, 0.3435,
0.6565


 96.4594, 0.3459,
0.4527

 2.6570, 0.3006,
0.6994

 123.9743, 0.3440,
0.4422

 0.9554, 0.0587,
0.9413

 156.2793, 0.3424,
0.4334

 0.0000, 0.0000,
0.0000

 193.7588, 0.3408,

0.4258

236.7972, 0.3394,
0.4192

■ 26.6131, 0.3525,
0.5223

■ 26.6131, 0.3525,
0.5223

■ 26.1251, 0.3516,
0.5415

■ 27.1799, 0.3512,
0.4988

■ 25.7063, 0.3485,
0.5557

■ 27.8273, 0.3478,
0.4724

■ 25.4421, 0.3456,
0.5638

■ 28.5609, 0.3428,
0.4442

■ 29.3851, 0.3367,
0.4156

■ 30.3036, 0.3297,
0.3876

■ 31.3201, 0.3224,
0.3609

■ 32.4380, 0.3149,
0.3359

■ 33.6605, 0.3075,
0.3129

■ 34.9907, 0.3004,
0.2920

Harmonies

Analogous

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



26.6131, 0.4409, 0.4841



26.6131, 0.3525, 0.5223



26.6131, 0.2590, 0.4811

Triad

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



26.6131, 0.3525, 0.5223



26.6131, 0.1486, 0.2030



26.6131, 0.4483, 0.2791

Complementary

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



26.6131, 0.3525, 0.5223



6.2997, 0.2273, 0.1283

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.



26.6131, 0.3442, 0.2246



26.6131, 0.3525, 0.5223



26.6131, 0.1801, 0.1816

Square

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



26.6131, 0.3525, 0.5223



26.6131, 0.1493, 0.2635



26.6131, 0.2459, 0.1903



26.6131, 0.5092, 0.3446

Rectangle

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



26.6131, 0.3525, 0.5223



26.6131, 0.2062, 0.4093



26.6131, 0.2459, 0.1903



26.6131, 0.4159, 0.2592

Sweetspot

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



26.6143, 0.3525, 0.5223



54.3457, 0.3294, 0.3863



14.6131, 0.4860, 0.4018



12.2038, 0.3312, 0.3932



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.



26.6143, 0.3525, 0.5223



46.3315, 0.3501, 0.5504



24.2796, 0.3061, 0.5533



7.0867, 0.3196, 0.3514



20.4549, 0.3461, 0.5634



0.3273, 0.3777, 0.5383

Inverse Universe

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



6.2997, 0.2273, 0.1283



7.9168, 0.2062, 0.0980



10.2694, 0.3085, 0.1680



6.1535, 0.3054, 0.3065



2.9286, 0.1939, 0.0842



0.0649, 0.2427, 0.1111

Previews

White Background



This preview shows how the Yxy color 26.6131, 0.3525, 0.5223 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 26.6131, 0.3525, 0.5223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

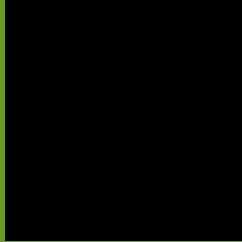
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6131, 0.3525, 0.5223

Background



This preview shows how black text looks on a background with the Yxy color 26.6131, 0.3525, 0.5223.



This preview shows how white text looks on a background with the Yxy color 26.6131, 0.3525, 0.5223.

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

26.6131, 0.3525, 0.5223

Protanopia

26.4588, 0.4273, 0.4715

Deuteranopia

26.1193, 0.4484, 0.4396



Tritanopia

26.6442, 0.2781, 0.3103

Trichromacy



Original Color

26.6131, 0.3525, 0.5223

Protanomaly

26.1932, 0.3992, 0.4911

Deuteranomaly

25.7390, 0.4125, 0.4695

Tritanomaly

26.3775, 0.3098, 0.3908

Monochromacy



Original Color

26.6131, 0.3525, 0.5223

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.6578, 0.3346, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6131, 0.3525, 0.5223 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(105, 155, 42)` looks like.

```
.text, #text, p{  
    color:rgb(105, 155, 42)  
}
```

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(105, 155, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 155, 42) }
```

Border

The CSS property to change the border of an element to Yxy 26.6131, 0.3525, 0.5223 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(105, 155, 42) }
```

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

```
.border{ border-color:rgb(105, 155, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 155, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 155, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 155, 42);  
box-shadow:4px 4px 4px 4px rgb(105, 155,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6131, 0.3525, 0.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 155, 42) }
```

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

```
.background{ background-color: rgb(105,  
155, 42) }
```

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