

Converting Colors

$Y_{xy}(25.9901, 0.3579, 0.5417)$

Have a look what the booklet for
Yxy(25.9901, 0.3579, 0.5417)
contains.

Yxy(25.9901, 0.3579, 0.5417)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.9901, 0.3579, 0.5417)

Conversions

Conversions Part 1

Format	Color
Hex	669A15
RGB	102, 154, 21
RGB Percent	40%, 60%, 8%
CMY	0.5999, 0.3961, 0.9179
CMYK	0.34, 0.00, 0.86, 0.40
HSL	83°, 76%, 34%
HSV	83°, 86%, 60%
XYZ	17.1716, 25.9901, 4.8171
YIQ	123.2900, 11.7010, -52.3870

Conversions

Conversions Part 2

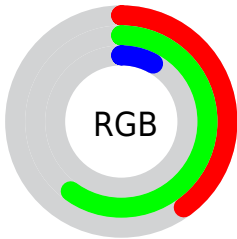
Format	Color
R_{YB}	21, 154, 73
Decimal	6724117
CIE _{Lab}	58.03, -36.43, 56.90
CIE _{LCh}	58, 67.560, 122.628
Yxy	25.9901, 0.3579, 0.5417
Android (android.graphics.Color)	4284914197 (0xFF669A15)
YUV	123.2900, -50.4290, -18.6713
Hunter-Lab	50.9805, -29.0922, 30.0841

Details

The Yxy color **25.9901, 0.3579, 0.5417** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.2795, 0.2007, 0.0971**, and the grayscale version is **20.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3482, 0.3553, 0.4968**, and **10.1071, 0.3352, 0.5720** is the 20% darker color. If you saturate the color by 10%, you get **25.6106, 0.3548, 0.5536**, and if you desaturate by 10%, it is **26.4312, 0.3589, 0.5250**.

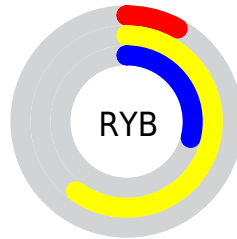
Distribution



Red (40%)

Green (60%)

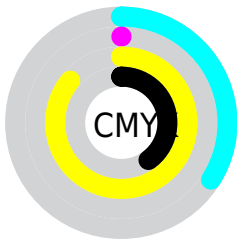
Blue (8%)



Red (8%)

Yellow (60%)

Blue (29%)

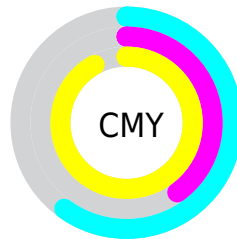


Cyan (34%)

Magenta (0%)

Yellow (86%)

Black (40%)



Cyan (60%)


Magenta (40%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9901, 0.3579, 0.5417 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 25.9901, 0.3579, 0.5417 by changing the saturation by 10% instead.


 25.9901, 0.3579,
0.5417


 25.9901, 0.3579,
0.5417


282.7335, 0.3428,
0.4227


 16.8162, 0.3561,
0.5729


 53.2590, 0.3557,
0.4965


 10.1036, 0.3499,
0.6133


 72.1228, 0.3538,
0.4799

 5.4677, 0.3340,
0.6660

 94.9853, 0.3517,
0.4662

 2.5242, 0.2876,
0.7124

 122.2311, 0.3497,
0.4546

 0.8887, 0.0000,
1.0000

 154.2443, 0.3477,
0.4448

 0.0000, 0.0000,
0.0000

 191.4096, 0.3460,

0.4364

234.1112, 0.3443,
0.4291

25.9901, 0.3579,
0.5417

25.9901, 0.3579,
0.5417

25.6106, 0.3548,
0.5536

26.4312, 0.3589,
0.5250

25.4830, 0.3535,
0.5575

26.9377, 0.3576,
0.5039

27.5160, 0.3541,
0.4793

28.1705, 0.3487,
0.4524

28.9052, 0.3421,
0.4246

■ 29.7239, 0.3344,
0.3968

■ 30.6300, 0.3263,
0.3699

■ 31.6266, 0.3180,
0.3444

■ 32.7167, 0.3098,
0.3207

Harmonies

Analogous

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



25.9901, 0.4531, 0.4909



25.9901, 0.3579, 0.5417



25.9901, 0.2569, 0.5049

Triad

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



25.9901, 0.3579, 0.5417



25.9901, 0.1355, 0.1939



25.9901, 0.4566, 0.2702

Complementary

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



25.9901, 0.3579, 0.5417



4.2795, 0.2007, 0.0971

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.



25.9901, 0.3401, 0.2134



25.9901, 0.3579, 0.5417



25.9901, 0.1667, 0.1704

Square

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



25.9901, 0.3579, 0.5417



25.9901, 0.1373, 0.2604



25.9901, 0.2345, 0.1784



25.9901, 0.5267, 0.3387

Rectangle

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



25.9901, 0.3579, 0.5417



25.9901, 0.1994, 0.4255



25.9901, 0.2345, 0.1784



25.9901, 0.4199, 0.2494

Sweetspot

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



25.9912, 0.3579, 0.5417



53.9784, 0.3345, 0.3971



11.5507, 0.5360, 0.3925



12.1059, 0.3370, 0.4059



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.



25.9912, 0.3579, 0.5417



46.1768, 0.3523, 0.5585



23.5485, 0.3064, 0.5803



7.1024, 0.3203, 0.3514



20.7826, 0.3540, 0.5571



0.3316, 0.3832, 0.5339

Inverse Universe

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



4.2795, 0.2007, 0.0971



5.8872, 0.1824, 0.0778



8.3106, 0.2961, 0.1477



6.1381, 0.3046, 0.3064



2.7069, 0.1851, 0.0793



0.0606, 0.2336, 0.1061

Previews

White Background



This preview shows how the Yxy color 25.9901, 0.3579, 0.5417 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 25.9901, 0.3579, 0.5417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

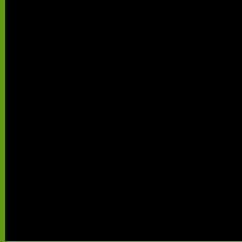
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9901, 0.3579, 0.5417

Background



This preview shows how black text looks on a background with the Yxy color 25.9901, 0.3579, 0.5417.



This preview shows how white text looks on a background with the Yxy color 25.9901, 0.3579, 0.5417.

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

25.9901, 0.3579, 0.5417

Protanopia

25.6707, 0.4373, 0.4832

Deuteranopia

25.7378, 0.4591, 0.4504



Tritanopia

25.8630, 0.2768, 0.3084

Trichromacy



Original Color

25.9901, 0.3579, 0.5417

Protanomaly

25.3086, 0.4072, 0.5053

Deuteranomaly

25.1458, 0.4205, 0.4845

Tritanomaly

25.3528, 0.3152, 0.4053

Monochromacy



Original Color

25.9901, 0.3579, 0.5417

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.3669, 0.3410, 0.4218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9901, 0.3579, 0.5417 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, 154, 21)` looks like.

```
.text, #text, p{  
    color:rgb(102, 154, 21)  
}
```

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, 154, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 154, 21) }
```

Border

The CSS property to change the border of an element to Yxy 25.9901, 0.3579, 0.5417 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, 154, 21) }
```

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

```
.border{ border-color:rgb(102, 154, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 154, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 154, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 154, 21);  
box-shadow:4px 4px 4px 4px rgb(102, 154,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9901, 0.3579, 0.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 154, 21) }
```

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

```
.background{ background-color: rgb(102,  
154, 21) }
```

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