

Converting Colors

$Y_{xy}(25.3342, 0.3334, 0.5170)$

Have a look what the booklet for
Yxy(25.3342, 0.3334, 0.5170)
contains.

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Color

$\text{Yxy}(25.2545, 0.3342, 0.5171)$

Conversions

Conversions Part 1

Format	Color
Hex	5B9934
RGB	91, 153, 52
RGB Percent	36%, 60%, 20%
CMY	0.6433, 0.4000, 0.7961
CMYK	0.41, 0.00, 0.66, 0.40
HSL	97°, 49%, 40%
HSV	97°, 66%, 60%
XYZ	16.3219, 25.2545, 7.2623
YIQ	122.9480, -4.5310, -44.5550

Conversions

Conversions Part 2

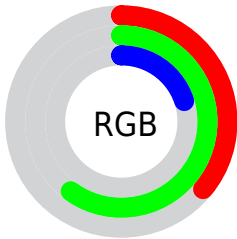
Format	Color
RYB	52, 153, 114
Decimal	6002996
CIELab	57.32, -38.13, 45.31
CIELCh	57, 59.218, 130.082
Yxy	25.2545, 0.3342, 0.5171
Android (android.graphics.Color)	4284193076 (0xFF5B9934)
YUV	122.9480, -34.9774, -28.0184
Hunter-Lab	50.2539, -29.9694, 26.6095

Details

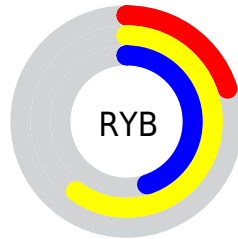
The Yxy color **25.2545, 0.3342, 0.5171** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.3368, 0.2614, 0.1565**, and the grayscale version is **19.9048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1108, 0.3342, 0.4748**, and **9.6824, 0.3232, 0.5816** is the 20% darker color. If you saturate the color by 10%, you get **24.6915, 0.3329, 0.5421**, and if you desaturate by 10%, it is **25.9243, 0.3338, 0.4886**.

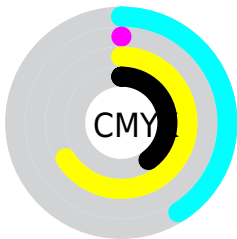
Distribution



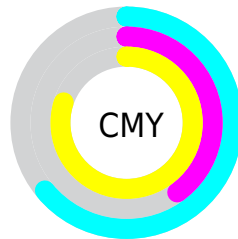
- Red (36%)
- Green (60%)
- Blue (20%)



- Red (20%)
- Yellow (60%)
- Blue (45%)



- Cyan (41%)
- Magenta (0%)
- Yellow (66%)
- Black (40%)




- Cyan (64%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2545, 0.3342, 0.5171 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 25.2545, 0.3342, 0.5171 by changing the saturation by 10% instead.


 25.2545, 0.3342,
0.5171

 25.2545, 0.3342,
0.5171

279.1030, 0.3286,
0.4086


 16.2668, 0.3319,
0.5485


 52.0698, 0.3343,
0.4742


 9.7131, 0.3257,
0.5905


 70.6661, 0.3336,
0.4591

 5.2092, 0.3187,
0.6653

 93.2342, 0.3328,
0.4468

 2.3705, 0.2736,
0.7264

 120.1582, 0.3319,
0.4365

 0.8107, 0.0000,
1.0000

 151.8228, 0.3310,
0.4279

 0.0000, 0.0000,
0.0000

 188.6121, 0.3301,

0.4205

230.9108, 0.3293,
0.4141

■ 25.2545, 0.3342,
0.5171

■ 25.2545, 0.3342,
0.5171

■ 24.6915, 0.3329,
0.5421

■ 25.9243, 0.3338,
0.4886

■ 24.2251, 0.3299,
0.5621

■ 26.7035, 0.3318,
0.4582

■ 23.8479, 0.3253,
0.5764

■ 27.5987, 0.3287,
0.4275

■ 23.7160, 0.3235,
0.5813

■ 28.6149, 0.3248,
0.3977

■ 29.7570, 0.3203,
0.3695

■ 31.0293, 0.3156,
0.3435

■ 32.4360, 0.3108,
0.3199

■ 33.9813, 0.3061,
0.2986

■ 35.6689, 0.3016,
0.2797

Harmonies

Analogous

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



25.2545, 0.4236, 0.4925



25.2545, 0.3342, 0.5171



25.2545, 0.2440, 0.4592

Triad

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



25.2545, 0.3342, 0.5171



25.2545, 0.1549, 0.1987



25.2545, 0.4616, 0.2922

Complementary

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



25.2545, 0.3342, 0.5171



8.3368, 0.2614, 0.1565

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.



25.2545, 0.3644, 0.2356



25.2545, 0.3342, 0.5171



25.2545, 0.1923, 0.1837

Square

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



25.2545, 0.3342, 0.5171



25.2545, 0.1494, 0.2501



25.2545, 0.2640, 0.1974



25.2545, 0.5089, 0.3582

Rectangle

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



25.2545, 0.3342, 0.5171



25.2545, 0.1961, 0.3845



25.2545, 0.2640, 0.1974



25.2545, 0.4326, 0.2719

Sweetspot

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



25.2556, 0.3342, 0.5171



52.3600, 0.3223, 0.3816



18.7435, 0.4439, 0.4241



11.4465, 0.3235, 0.3888



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.



25.2556, 0.3342, 0.5171



43.8127, 0.3317, 0.5519



23.8647, 0.2974, 0.5188



7.0359, 0.3171, 0.3516



19.6161, 0.3240, 0.5809



0.3132, 0.3578, 0.5541

Inverse Universe

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



8.3368, 0.2614, 0.1565



11.1874, 0.2465, 0.1274



11.2094, 0.3352, 0.1945



6.2046, 0.3079, 0.3067



3.8869, 0.2283, 0.1031



0.0790, 0.2698, 0.1260

Previews

White Background



This preview shows how the Yxy color 25.2545, 0.3342, 0.5171 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 25.2545, 0.3342, 0.5171 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 25.2545, 0.3342, 0.5171

Background



This preview shows how black text looks on a background with the Yxy color 25.2545, 0.3342, 0.5171.



This preview shows how white text looks on a background with the Yxy color 25.2545, 0.3342, 0.5171.

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

25.2545, 0.3342, 0.5171

Protanopia

24.8770, 0.4196, 0.4615

Deuteranopia

24.8271, 0.4388, 0.4298



Tritanopia

25.1373, 0.2670, 0.3079

Trichromacy



Original Color

25.2545, 0.3342, 0.5171

Protanomaly

24.6125, 0.3853, 0.4843

Deuteranomaly

24.1252, 0.3981, 0.4620

Tritanomaly

24.9421, 0.2936, 0.3840

Monochromacy



Original Color

25.2545, 0.3342, 0.5171

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.2928, 0.3250, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2545, 0.3342, 0.5171 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(91, 153, 52)` looks like.

```
.text, #text, p{  
    color:rgb(91, 153, 52)  
}
```

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(91, 153, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 153, 52) }
```

Border

The CSS property to change the border of an element to Yxy 25.2545, 0.3342, 0.5171 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(91, 153, 52) }
```

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

```
.border{ border-color:rgb(91, 153, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 153, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 153, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 153, 52);  
box-shadow:4px 4px 4px 4px rgb(91, 153,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2545, 0.3342, 0.5171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 153, 52) }
```

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

```
.background{ background-color: rgb(91, 153,  
52) }
```

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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