

Converting Colors

$Y_{xy}(25.2104, 0.3311, 0.5221)$

Have a look what the booklet for
Yxy(25.2104, 0.3311, 0.5221)
contains.

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Color

Yxy(25.3677, 0.3312, 0.5231)

Conversions

Conversions Part 1

Format	Color
Hex	579A32
RGB	87, 154, 50
RGB Percent	34%, 60%, 20%
CMY	0.6588, 0.3961, 0.8040
CMYK	0.44, 0.00, 0.68, 0.40
HSL	99°, 51%, 40%
HSV	99°, 68%, 60%
XYZ	16.0615, 25.3677, 7.0657
YIQ	122.1110, -6.5480, -46.5480

Conversions

Conversions Part 2

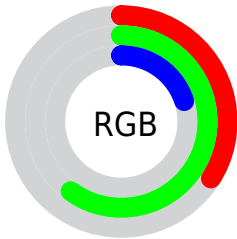
Format	Color
RYB	50, 154, 117
Decimal	5741106
CIELab	57.43, -40.09, 46.24
CIELCh	57, 61.194, 130.925
Yxy	25.3677, 0.3312, 0.5231
Android (android.graphics.Color)	4283931186 (0xFF579A32)
YUV	122.1110, -35.5507, -30.7923
Hunter-Lab	50.3664, -31.2186, 26.9389

Details

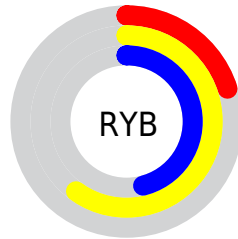
The Yxy color **25.3677, 0.3312, 0.5231** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.3946, 0.2643, 0.1550**, and the grayscale version is **19.6204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3110, 0.3323, 0.4781**, and **9.7788, 0.3171, 0.5865** is the 20% darker color. If you saturate the color by 10%, you get **24.8124, 0.3294, 0.5478**, and if you desaturate by 10%, it is **26.0355, 0.3313, 0.4946**.

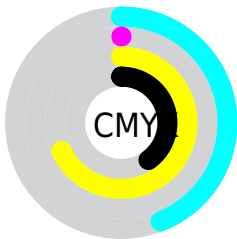
Distribution



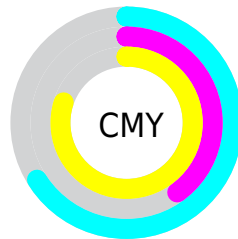
- Red (34%)
- Green (60%)
- Blue (20%)



- Red (20%)
- Yellow (60%)
- Blue (46%)



- Cyan (44%)
- Magenta (0%)
- Yellow (68%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3677, 0.3312, 0.5231 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 25.3677, 0.3312, 0.5231 by changing the saturation by 10% instead.


 25.3677, 0.3312,
0.5231

 25.3677, 0.3312,
0.5231


279.6642, 0.3277,
0.4110


 16.3512, 0.3281,
0.5555


 52.2531, 0.3323,
0.4788


 9.7730, 0.3207,
0.5988


 70.8908, 0.3318,
0.4632


 5.2487, 0.3127,
0.6778

 93.5044, 0.3312,
0.4504

 2.3939, 0.2633,
0.7367

 120.4783, 0.3305,
0.4398

 0.8228, 0.0000,
1.0000

 152.1968, 0.3298,
0.4309

 0.0000, 0.0000,
0.0000

 189.0443, 0.3290,

0.4233

231.4053, 0.3283,
0.4167

■ 25.3677, 0.3312,
0.5231

■ 25.3677, 0.3312,
0.5231

■ 24.8124, 0.3294,
0.5478

■ 26.0355, 0.3313,
0.4946

■ 24.3590, 0.3260,
0.5672

■ 26.8192, 0.3300,
0.4639

■ 23.9976, 0.3214,
0.5808

■ 27.7257, 0.3275,
0.4328

■ 23.9190, 0.3203,
0.5839

■ 28.7607, 0.3241,
0.4025

■ 29.9292, 0.3202,
0.3738

■ 31.2360, 0.3160,
0.3473

■ 32.6859, 0.3117,
0.3233

■ 34.2831, 0.3074,
0.3018

■ 36.0319, 0.3032,
0.2825

Harmonies

Analogous

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



25.3677, 0.4233, 0.4981



25.3677, 0.3312, 0.5231



25.3677, 0.2392, 0.4611

Triad

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



25.3677, 0.3312, 0.5231



25.3677, 0.1518, 0.1943



25.3677, 0.4685, 0.2926

Complementary

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



25.3677, 0.3312, 0.5231



8.3946, 0.2643, 0.1550

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.



25.3677, 0.3689, 0.2346



25.3677, 0.3312, 0.5231



25.3677, 0.1908, 0.1802

Square

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



25.3677, 0.3312, 0.5231



25.3677, 0.1452, 0.2453



25.3677, 0.2650, 0.1949



25.3677, 0.5150, 0.3599

Rectangle

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



25.3677, 0.3312, 0.5231



25.3677, 0.1909, 0.3826



25.3677, 0.2650, 0.1949



25.3677, 0.4390, 0.2718

Sweetspot

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



25.3688, 0.3312, 0.5231



53.7338, 0.3214, 0.3818



19.5600, 0.4432, 0.4306



12.0354, 0.3224, 0.3893



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.



25.3688, 0.3312, 0.5231



44.6304, 0.3279, 0.5584



24.1587, 0.2952, 0.5171



7.0272, 0.3167, 0.3516



19.5050, 0.3208, 0.5835



0.3108, 0.3541, 0.5571

Inverse Universe

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



8.3946, 0.2643, 0.1550



11.5164, 0.2500, 0.1269



11.0479, 0.3416, 0.1964



6.2136, 0.3084, 0.3067



4.0918, 0.2349, 0.1068



0.0814, 0.2741, 0.1284

Previews

White Background



This preview shows how the Yxy color 25.3677, 0.3312, 0.5231 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 25.3677, 0.3312, 0.5231 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 25.3677, 0.3312, 0.5231

Background



This preview shows how black text looks on a background with the Yxy color 25.3677, 0.3312, 0.5231.



This preview shows how white text looks on a background with the Yxy color 25.3677, 0.3312, 0.5231.

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

25.3677, 0.3312, 0.5231

Protanopia

24.9586, 0.4222, 0.4628

Deuteranopia

24.8168, 0.4397, 0.4309



Tritanopia

25.2561, 0.2647, 0.3095

Trichromacy



Original Color

25.3677, 0.3312, 0.5231

Protanomaly

24.5960, 0.3866, 0.4866

Deuteranomaly

24.3165, 0.3967, 0.4652

Tritanomaly

25.0608, 0.2917, 0.3881

Monochromacy



Original Color

25.3677, 0.3312, 0.5231

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.1459, 0.3237, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3677, 0.3312, 0.5231 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(87, 154, 50)` looks like.

```
.text, #text, p{  
    color:rgb(87, 154, 50)  
}
```

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(87, 154, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 154, 50) }
```

Border

The CSS property to change the border of an element to Yxy 25.3677, 0.3312, 0.5231 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(87, 154, 50) }
```

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

```
.border{ border-color:rgb(87, 154, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 154, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 154, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 154, 50);  
box-shadow:4px 4px 4px 4px rgb(87, 154,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3677, 0.3312, 0.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 154, 50) }
```

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

```
.background{ background-color: rgb(87, 154,  
50) }
```

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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