

Converting Colors

$Y_{xy}(25.2500, 0.3732, 0.5187)$

Have a look what the booklet for
Yxy(25.2500, 0.3732, 0.5187)
contains.

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Color

Yxy(25.3122, 0.3731, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	749520
RGB	116, 149, 32
RGB Percent	45%, 58%, 13%
CMY	0.5450, 0.4157, 0.8745
CMYK	0.22, 0.00, 0.79, 0.42
HSL	77°, 65%, 35%
HSV	77°, 79%, 58%
XYZ	18.2140, 25.3122, 5.2919
YIQ	125.7950, 17.8890, -43.3830

Conversions

Conversions Part 2

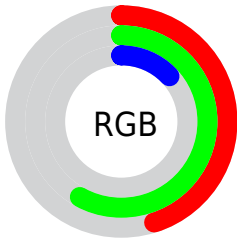
Format	Color
R_{YB}	32, 149, 65
Decimal	7640352
CIE _{Lab}	57.38, -28.02, 53.53
CIE _{LCh}	57, 60.418, 117.631
Yxy	25.3122, 0.3731, 0.5185
Android (android.graphics.Color)	4285830432 (0xFF749520)
YUV	125.7950, -46.2409, -8.5902
Hunter-Lab	50.3112, -23.4228, 28.9816

Details

The Yxy color **25.3122, 0.3731, 0.5185** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.3253, 0.1967, 0.1048**, and the grayscale version is **20.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0579, 0.3661, 0.4781**, and **9.7921, 0.3613, 0.5513** is the 20% darker color. If you saturate the color by 10%, you get **24.9685, 0.3733, 0.5323**, and if you desaturate by 10%, it is **25.7078, 0.3705, 0.5003**.

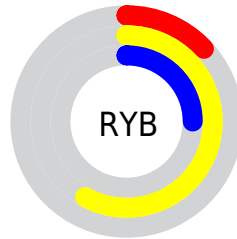
Distribution



Red (45%)

Green (58%)

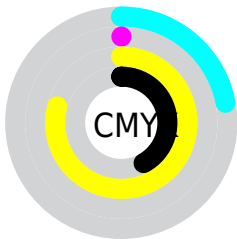
Blue (13%)



Red (13%)

Yellow (58%)

Blue (25%)

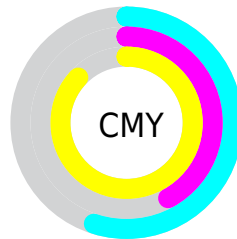


Cyan (22%)

Magenta (0%)

Yellow (79%)

Black (42%)



Cyan (55%)


Magenta (42%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3122, 0.3731, 0.5185 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 25.3122, 0.3731, 0.5185 by changing the saturation by 10% instead.


 25.3122, 0.3731,
0.5185


 25.3122, 0.3731,
0.5185


279.3892, 0.3477,
0.4132


 16.3098, 0.3751,
0.5460


 52.1633, 0.3664,
0.4786


 9.7436, 0.3738,
0.5807


 70.7807, 0.3629,
0.4640

 5.2293, 0.3687,
0.6313

 93.3720, 0.3598,
0.4518

 2.3824, 0.3317,
0.6683

 120.3214, 0.3568,
0.4416

 0.8168, 0.1016,
0.8984

 152.0135, 0.3542,
0.4329

 0.0000, 0.0000,
0.0000

 188.8325, 0.3518,

0.4254

231.1630, 0.3497,
0.4189

■ 25.3122, 0.3731,
0.5185

■ 25.3122, 0.3731,
0.5185

■ 24.9685, 0.3733,
0.5323

■ 25.7078, 0.3705,
0.5003

■ 24.6641, 0.3714,
0.5421

■ 26.1565, 0.3656,
0.4785

■ 24.6207, 0.3711,
0.5435

■ 26.6633, 0.3588,
0.4539

■ 27.2317, 0.3504,
0.4278

■ 27.8650, 0.3411,
0.4012

■ 28.5660, 0.3312,
0.3748

■ 29.3375, 0.3212,
0.3495

■ 30.1821, 0.3113,
0.3256

■ 31.1021, 0.3017,
0.3034

Harmonies

Analogous

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



25.3122, 0.4571, 0.4698



25.3122, 0.3731, 0.5185



25.3122, 0.2790, 0.4976

Triad

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



25.3122, 0.3731, 0.5185



25.3122, 0.1464, 0.2129



25.3122, 0.4269, 0.2660

Complementary

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



25.3122, 0.3731, 0.5185



4.3253, 0.1967, 0.1048

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.



25.3122, 0.3205, 0.2153



25.3122, 0.3731, 0.5185



25.3122, 0.1707, 0.1839

Square

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



25.3122, 0.3731, 0.5185



25.3122, 0.1544, 0.2833



25.3122, 0.2286, 0.1864



25.3122, 0.5009, 0.3297

Rectangle

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



25.3122, 0.3731, 0.5185



25.3122, 0.2225, 0.4349



25.3122, 0.2286, 0.1864



25.3122, 0.3924, 0.2471

Sweetspot

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



25.3133, 0.3731, 0.5185



50.3973, 0.3372, 0.3905



10.0705, 0.5337, 0.3721



11.0811, 0.3403, 0.3990



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.3133, 0.3731, 0.5185



44.3133, 0.3719, 0.5395



22.5369, 0.3175, 0.5578



6.6634, 0.3219, 0.3512



20.7383, 0.3715, 0.5432



0.2687, 0.3951, 0.5245

Inverse Universe

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



4.3253, 0.1967, 0.1048



5.1952, 0.1739, 0.0760



7.3183, 0.2765, 0.1453



5.7074, 0.3030, 0.3064



2.2536, 0.1700, 0.0710



0.0409, 0.2143, 0.0954

Previews

White Background



This preview shows how the Yxy color 25.3122, 0.3731, 0.5185 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 25.3122, 0.3731, 0.5185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

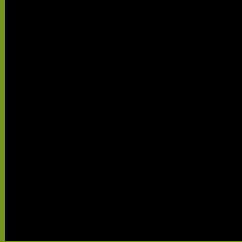
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3122, 0.3731, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 25.3122, 0.3731, 0.5185.



This preview shows how white text looks on a background with the Yxy color 25.3122, 0.3731, 0.5185.

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

25.3122, 0.3731, 0.5185

Protanopia

25.2342, 0.4316, 0.4771

Deuteranopia

24.8960, 0.4547, 0.4457



Tritanopia

25.3344, 0.2915, 0.3104

Trichromacy



Original Color

25.3122, 0.3731, 0.5185

Protanomaly

25.1025, 0.4099, 0.4925

Deuteranomaly

24.7067, 0.4247, 0.4717

Tritanomaly

24.9915, 0.3278, 0.3941

Monochromacy



Original Color

25.3122, 0.3731, 0.5185

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.9605, 0.3433, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3122, 0.3731, 0.5185 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(116, 149, 32)` looks like.

```
.text, #text, p{  
    color:rgb(116, 149, 32)  
}
```

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(116, 149, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 149, 32) }
```

Border

The CSS property to change the border of an element to Yxy 25.3122, 0.3731, 0.5185 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(116, 149, 32) }
```

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

```
.border{ border-color:rgb(116, 149, 32) }
```

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

Here you see how a box with a 4 pixel rgb(116, 149, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 149, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 149, 32);  
box-shadow:4px 4px 4px 4px rgb(116, 149,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3122, 0.3731, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 149, 32) }
```

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

```
.background{ background-color: rgb(116,  
149, 32) }
```

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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