

Converting Colors

$Y_{xy}(23.4670, 0.3711, 0.5027)$

Have a look what the booklet for
Yxy(23.4670, 0.3711, 0.5027)
contains.

Yxy(23.4642, 0.3711, 0.5025)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4642, 0.3711, 0.5025)

Conversions

Conversions Part 1

Format	Color
Hex	738F2B
RGB	115, 143, 43
RGB Percent	45%, 56%, 17%
CMY	0.5490, 0.4392, 0.8313
CMYK	0.20, 0.00, 0.70, 0.44
HSL	77°, 54%, 36%
HSV	77°, 70%, 56%
XYZ	17.3285, 23.4642, 5.9022
YIQ	123.2280, 15.4120, -37.0360

Conversions

Conversions Part 2

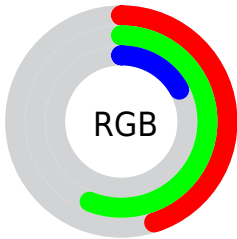
Format	Color
RYB	43, 143, 71
Decimal	7573291
CIELab	55.55, -24.88, 47.67
CIELCh	56, 53.767, 117.561
Yxy	23.4642, 0.3711, 0.5025
Android (android.graphics.Color)	4285763371 (0xFF738F2B)
YUV	123.2280, -39.5524, -7.2160
Hunter-Lab	48.4399, -20.9146, 26.6836

Details

The Yxy color **23.4642, 0.3711, 0.5025** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.0525, 0.2106, 0.1263**, and the grayscale version is **20.0167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1937, 0.3626, 0.4646**, and **8.8855, 0.3670, 0.5468** is the 20% darker color. If you saturate the color by 10%, you get **23.1123, 0.3735, 0.5201**, and if you desaturate by 10%, it is **23.8668, 0.3664, 0.4811**.

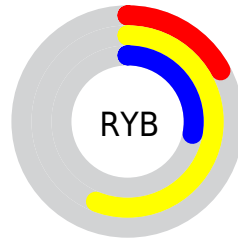
Distribution



Red (45%)

Green (56%)

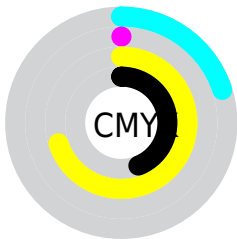
Blue (17%)



Red (17%)

Yellow (56%)

Blue (28%)

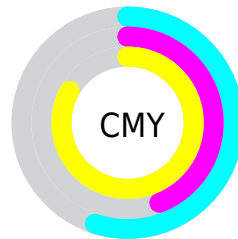


Cyan (20%)

Magenta (0%)

Yellow (70%)

Black (44%)



Cyan (55%)


Magenta (44%)


Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4642, 0.3711, 0.5025 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 23.4642, 0.3711, 0.5025 by changing the saturation by 10% instead.


 23.4642, 0.3711,
0.5025


 23.4642, 0.3711,
0.5025


 270.1003, 0.3447,
0.4045


 14.9366, 0.3744,
0.5293


 49.1544, 0.3633,
0.4647

 8.7749, 0.3752,
0.5636


 67.0859, 0.3597,
0.4510

 4.5947, 0.3777,
0.6223

 88.9208, 0.3564,
0.4398

 2.0115, 0.3414,
0.6586

 115.0435, 0.3535,
0.4304

 0.6141, 0.0000,
1.0000

 145.8384, 0.3509,
0.4224

 0.0000, 0.0000,
0.0000

 181.6899, 0.3486,

0.4156

222.9824, 0.3466,
0.4097

■ 23.4642, 0.3711,
0.5025

■ 23.4642, 0.3711,
0.5025

■ 23.1123, 0.3735,
0.5201

■ 23.8668, 0.3664,
0.4811

■ 22.8038, 0.3734,
0.5333

■ 24.3205, 0.3598,
0.4570

■ 22.5287, 0.3716,
0.5431

■ 24.8297, 0.3517,
0.4311

■ 22.5266, 0.3716,
0.5432

■ 25.3973, 0.3424,
0.4046

■ 26.0258, 0.3326,
0.3783

■ 26.7179, 0.3226,
0.3529

■ 27.4757, 0.3126,
0.3288

■ 28.3017, 0.3030,
0.3064

■ 29.1978, 0.2938,
0.2858

Harmonies

Analogous

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



23.4642, 0.4483, 0.4613



23.4642, 0.3711, 0.5025



23.4642, 0.2836, 0.4809

Triad

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



23.4642, 0.3711, 0.5025



23.4642, 0.1575, 0.2225



23.4642, 0.4171, 0.2711

Complementary

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



23.4642, 0.3711, 0.5025



5.0525, 0.2106, 0.1263

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.



23.4642, 0.3203, 0.2232



23.4642, 0.3711, 0.5025



23.4642, 0.1805, 0.1942

Square

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



23.4642, 0.3711, 0.5025



23.4642, 0.1658, 0.2887



23.4642, 0.2352, 0.1960



23.4642, 0.4849, 0.3315

Rectangle

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



23.4642, 0.3711, 0.5025



23.4642, 0.2308, 0.4250



23.4642, 0.2352, 0.1960



23.4642, 0.3858, 0.2533

Sweetspot

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



23.4653, 0.3711, 0.5025



46.4266, 0.3341, 0.3822



10.3547, 0.5005, 0.3719



10.5819, 0.3366, 0.3887



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.4653, 0.3711, 0.5025



41.0554, 0.3737, 0.5284



20.9910, 0.3196, 0.5355



6.2105, 0.3218, 0.3510



19.9273, 0.3718, 0.5430



0.2016, 0.3953, 0.5244

Inverse Universe

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



5.0525, 0.2106, 0.1263



5.9086, 0.1864, 0.0908



7.6818, 0.2819, 0.1602



5.3236, 0.3031, 0.3066



2.1629, 0.1700, 0.0710



0.0306, 0.2139, 0.0952

Previews

White Background



This preview shows how the Yxy color 23.4642, 0.3711, 0.5025 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 23.4642, 0.3711, 0.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

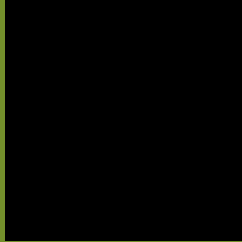
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4642, 0.3711, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 23.4642, 0.3711, 0.5025.



This preview shows how white text looks on a background with the Yxy color 23.4642, 0.3711, 0.5025.

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

23.4642, 0.3711, 0.5025

Protanopia

23.3178, 0.4244, 0.4675

Deuteranopia

23.2505, 0.4468, 0.4376



Tritanopia

23.4994, 0.2939, 0.3116

Trichromacy



Original Color

23.4642, 0.3711, 0.5025

Protanomaly

23.3698, 0.4045, 0.4808

Deuteranomaly

22.9108, 0.4183, 0.4608

Tritanomaly

23.0904, 0.3268, 0.3845

Monochromacy



Original Color

23.4642, 0.3711, 0.5025

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7665, 0.3402, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4642, 0.3711, 0.5025 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(115, 143, 43)` looks like.

```
.text, #text, p{  
    color:rgb(115, 143, 43)  
}
```

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(115, 143, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 143, 43) }
```

Border

The CSS property to change the border of an element to Yxy 23.4642, 0.3711, 0.5025 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(115, 143, 43) }
```

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

```
.border{ border-color:rgb(115, 143, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 143, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 143, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 143, 43);  
box-shadow:4px 4px 4px 4px rgb(115, 143,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4642, 0.3711, 0.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 143, 43) }
```

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

```
.background{ background-color: rgb(115,  
143, 43) }
```

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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