

Converting Colors

$Y_{xy}(23.9276, 0.3591, 0.5420)$

Have a look what the booklet for
Yxy(23.9276, 0.3591, 0.5420)
contains.

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Color

Yxy(23.8761, 0.3596, 0.5418)

Conversions

Conversions Part 1

Format	Color
Hex	639412
RGB	99, 148, 18
RGB Percent	39%, 58%, 7%
CMY	0.6117, 0.4196, 0.9294
CMYK	0.33, 0.00, 0.88, 0.42
HSL	83°, 78%, 33%
HSV	83°, 88%, 58%
XYZ	15.8469, 23.8761, 4.3451
YIQ	118.5290, 12.5260, -50.8180

Conversions

Conversions Part 2

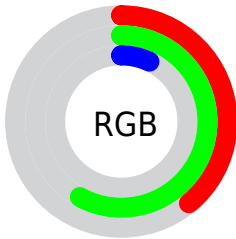
Format	Color
RYB	18, 148, 67
Decimal	6525970
CIELab	55.96, -34.99, 55.73
CIELCh	56, 65.805, 122.126
Yxy	23.8761, 0.3596, 0.5418
Android (android.graphics.Color)	4284716050 (0xFF639412)
YUV	118.5290, -49.5608, -17.1269
Hunter-Lab	48.8632, -27.6210, 28.9319

Details

The Yxy color **23.8761, 0.3596, 0.5418** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.7627, 0.1970, 0.0942**, and the grayscale version is **18.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6469, 0.3573, 0.4957**, and **9.1073, 0.3361, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **23.5371, 0.3565, 0.5533**, and if you desaturate by 10%, it is **24.2672, 0.3607, 0.5260**.

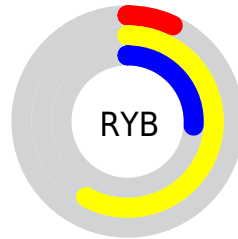
Distribution



Red (39%)

Green (58%)

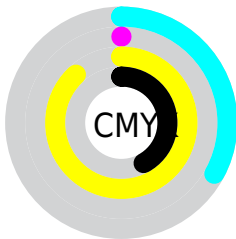
Blue (7%)



Red (7%)

Yellow (58%)

Blue (26%)

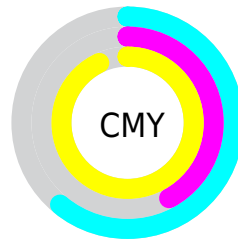


Cyan (33%)

Magenta (0%)

Yellow (88%)

Black (42%)



Cyan (61%)


Magenta (42%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8761, 0.3596, 0.5418 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 23.8761, 0.3596, 0.5418 by changing the saturation by 10% instead.


 23.8761, 0.3596,
0.5418


 23.8761, 0.3596,
0.5418


272.1935, 0.3433,
0.4214


 15.2417, 0.3579,
0.5738


 49.8279, 0.3571,
0.4957

 8.9892, 0.3525,
0.6174


 67.9142, 0.3549,
0.4789

 4.7342, 0.3327,
0.6673

 89.9199, 0.3527,
0.4651

 2.0921, 0.2829,
0.7171

 116.2294, 0.3505,
0.4534

 0.6602, 0.0000,
1.0000

 147.2271, 0.3485,
0.4436

 0.0000, 0.0000,
0.0000

 183.2974, 0.3466,

0.4351

224.8248, 0.3449,
0.4278

23.8761, 0.3596,
0.5418

23.8761, 0.3596,
0.5418

23.5371, 0.3565,
0.5533

24.2672, 0.3607,
0.5260

23.4674, 0.3558,
0.5557

24.7158, 0.3594,
0.5056

25.2275, 0.3559,
0.4817

25.8065, 0.3506,
0.4554

26.4565, 0.3439,
0.4279

■ 27.1806, 0.3361,
0.4003

■ 27.9822, 0.3278,
0.3734

■ 28.8639, 0.3193,
0.3479

■ 29.8286, 0.3109,
0.3240

Harmonies

Analogous

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



23.8761, 0.4547, 0.4899



23.8761, 0.3596, 0.5418



23.8761, 0.2584, 0.5069

Triad

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



23.8761, 0.3596, 0.5418



23.8761, 0.1350, 0.1944



23.8761, 0.4551, 0.2690

Complementary

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



23.8761, 0.3596, 0.5418



3.7627, 0.1970, 0.0942

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.



23.8761, 0.3381, 0.2124



23.8761, 0.3596, 0.5418



23.8761, 0.1657, 0.1703

Square

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



23.8761, 0.3596, 0.5418



23.8761, 0.1374, 0.2618



23.8761, 0.2329, 0.1778



23.8761, 0.5266, 0.3375

Rectangle

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



23.8761, 0.3596, 0.5418



23.8761, 0.2004, 0.4280



23.8761, 0.2329, 0.1778



23.8761, 0.4182, 0.2482

Sweetspot

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



23.8772, 0.3596, 0.5418



48.1390, 0.3351, 0.3967



10.1967, 0.5432, 0.3887



10.8933, 0.3376, 0.4053



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.



23.8772, 0.3596, 0.5418



41.3074, 0.3547, 0.5566



21.5860, 0.3071, 0.5814



6.6366, 0.3205, 0.3512



20.0614, 0.3562, 0.5554



0.2625, 0.3857, 0.5320

Inverse Universe

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



3.7627, 0.1970, 0.0942



5.1519, 0.1806, 0.0768



7.3691, 0.2922, 0.1448



5.7330, 0.3044, 0.3065



2.5529, 0.1831, 0.0782



0.0471, 0.2323, 0.1053

Previews

White Background



This preview shows how the Yxy color 23.8761, 0.3596, 0.5418 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 23.8761, 0.3596, 0.5418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

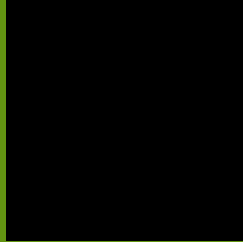
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8761, 0.3596, 0.5418

Background



This preview shows how black text looks on a background with the Yxy color 23.8761, 0.3596, 0.5418.



This preview shows how white text looks on a background with the Yxy color 23.8761, 0.3596, 0.5418.

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

23.8761, 0.3596, 0.5418

Protanopia

23.6586, 0.4373, 0.4844

Deuteranopia

23.6134, 0.4586, 0.4510



Tritanopia

23.9243, 0.2775, 0.3095

Trichromacy



Original Color

23.8761, 0.3596, 0.5418

Protanomaly

23.4053, 0.4075, 0.5064

Deuteranomaly

23.2514, 0.4211, 0.4847

Tritanomaly

23.5368, 0.3174, 0.4075

Monochromacy



Original Color

23.8761, 0.3596, 0.5418

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0192, 0.3430, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8761, 0.3596, 0.5418 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(99, 148, 18)` looks like.

```
.text, #text, p{  
    color:rgb(99, 148, 18)  
}
```

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(99, 148, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 148, 18) }
```

Border

The CSS property to change the border of an element to Yxy 23.8761, 0.3596, 0.5418 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(99, 148, 18) }
```

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

```
.border{ border-color:rgb(99, 148, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 148, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 148, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 148, 18);  
box-shadow:4px 4px 4px 4px rgb(99, 148,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8761, 0.3596, 0.5418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 148, 18) }
```

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

```
.background{ background-color: rgb(99, 148,  
18) }
```

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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