

Converting Colors

$Y_{xy}(23.8035, 0.3492, 0.5207)$

Have a look what the booklet for
Yxy(23.8035, 0.3492, 0.5207)
contains.

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Color

Yxy(23.9436, 0.3491, 0.5210)

Conversions

Conversions Part 1

Format	Color
Hex	62942A
RGB	98, 148, 42
RGB Percent	38%, 58%, 16%
CMY	0.6158, 0.4196, 0.8351
CMYK	0.34, 0.00, 0.72, 0.42
HSL	88°, 56%, 37%
HSV	88°, 72%, 58%
XYZ	16.0436, 23.9436, 5.9698
YIQ	120.9660, 4.2260, -43.5660

Conversions

Conversions Part 2

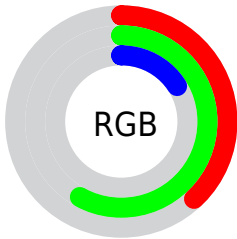
Format	Color
R_{YB}	42, 148, 92
Decimal	6460458
CIE _{Lab}	56.03, -34.15, 48.21
CIE _{LCh}	56, 59.083, 125.312
Yxy	23.9436, 0.3491, 0.5210
Android (android.graphics.Color)	4284650538 (0xFF62942A)
YUV	120.9660, -38.9302, -20.1412
Hunter-Lab	48.9322, -27.1059, 27.0191

Details

The Yxy color **23.9436, 0.3491, 0.5210** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.0758, 0.2339, 0.1341**, and the grayscale version is **19.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7246, 0.3467, 0.4777**, and **9.1073, 0.3361, 0.5714** is the 20% darker color. If you saturate the color by 10%, you get **23.4857, 0.3482, 0.5414**, and if you desaturate by 10%, it is **24.4767, 0.3478, 0.4965**.

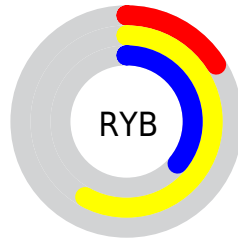
Distribution



Red (38%)

Green (58%)

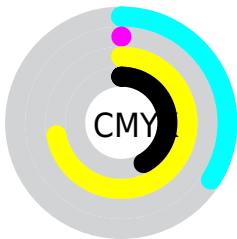
Blue (16%)



Red (16%)

Yellow (58%)

Blue (36%)

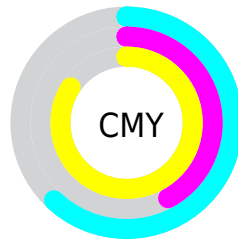


Cyan (34%)

Magenta (0%)

Yellow (72%)

Black (42%)



Cyan (62%)


Magenta (42%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9436, 0.3491, 0.5210 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 23.9436, 0.3491, 0.5210 by changing the saturation by 10% instead.


 23.9436, 0.3491,
0.5210


 23.9436, 0.3491,
0.5210


272.5352, 0.3359,
0.4108


 15.2918, 0.3483,
0.5521


 49.9381, 0.3467,
0.4778

 9.0244, 0.3433,
0.5928


 68.0497, 0.3449,
0.4625

 4.7571, 0.3368,
0.6632

 90.0832, 0.3431,
0.4499

 2.1055, 0.2884,
0.7116

 116.4232, 0.3415,
0.4394

 0.6677, 0.0000,
1.0000

 147.4540, 0.3399,
0.4306

 0.0000, 0.0000,
0.0000

 183.5600, 0.3384,

0.4230

225.1256, 0.3371,
0.4165

■ 23.9436, 0.3491,
0.5210

■ 23.9436, 0.3491,
0.5210

■ 23.4857, 0.3482,
0.5414

■ 24.4767, 0.3478,
0.4965

■ 23.0943, 0.3452,
0.5568

■ 25.0866, 0.3447,
0.4693

■ 22.8070, 0.3416,
0.5669

■ 25.7785, 0.3400,
0.4407

■ 26.5562, 0.3342,
0.4119

■ 27.4234, 0.3277,
0.3840

■ 28.3832, 0.3208,
0.3574

■ 29.4389, 0.3138,
0.3328

■ 30.5935, 0.3069,
0.3101

■ 31.8496, 0.3003,
0.2896

Harmonies

Analogous

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



23.9436, 0.4375, 0.4855



23.9436, 0.3491, 0.5210



23.9436, 0.2563, 0.4766

Triad

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



23.9436, 0.3491, 0.5210



23.9436, 0.1501, 0.2024



23.9436, 0.4505, 0.2816

Complementary

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



23.9436, 0.3491, 0.5210



6.0758, 0.2339, 0.1341

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.



23.9436, 0.3478, 0.2268



23.9436, 0.3491, 0.5210



23.9436, 0.1826, 0.1823

Square

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



23.9436, 0.3491, 0.5210



23.9436, 0.1496, 0.2611



23.9436, 0.2494, 0.1918



23.9436, 0.5088, 0.3472

Rectangle

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



23.9436, 0.3491, 0.5210



23.9436, 0.2046, 0.4045



23.9436, 0.2494, 0.1918



23.9436, 0.4188, 0.2617

Sweetspot

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



23.9446, 0.3491, 0.5210



48.4113, 0.3276, 0.3835



14.0302, 0.4761, 0.4069



10.9607, 0.3292, 0.3903



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.



23.9446, 0.3491, 0.5210



40.9995, 0.3466, 0.5515



21.9201, 0.3043, 0.5504



6.6100, 0.3191, 0.3513



19.4954, 0.3421, 0.5666



0.2562, 0.3755, 0.5401

Inverse Universe

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



6.0758, 0.2339, 0.1341



7.5147, 0.2129, 0.1027



9.7691, 0.3143, 0.1729



5.7591, 0.3058, 0.3066



2.9504, 0.1993, 0.0872



0.0534, 0.2489, 0.1145

Previews

White Background



This preview shows how the Yxy color 23.9436, 0.3491, 0.5210 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 23.9436, 0.3491, 0.5210 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 23.9436, 0.3491, 0.5210

Background



This preview shows how black text looks on a background with the Yxy color 23.9436, 0.3491, 0.5210.



This preview shows how white text looks on a background with the Yxy color 23.9436, 0.3491, 0.5210.

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

23.9436, 0.3491, 0.5210

Protanopia

23.6742, 0.4257, 0.4697

Deuteranopia

23.6245, 0.4460, 0.4372



Tritanopia

23.7916, 0.2756, 0.3094

Trichromacy



Original Color

23.9436, 0.3491, 0.5210

Protanomaly

23.4370, 0.3963, 0.4899

Deuteranomaly

23.2840, 0.4089, 0.4682

Tritanomaly

23.5976, 0.3067, 0.3902

Monochromacy



Original Color

23.9436, 0.3491, 0.5210

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.5160, 0.3334, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9436, 0.3491, 0.5210 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(98, 148, 42)` looks like.

```
.text, #text, p{  
    color:rgb(98, 148, 42)  
}
```

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(98, 148, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 148, 42) }
```

Border

The CSS property to change the border of an element to Yxy 23.9436, 0.3491, 0.5210 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(98, 148, 42) }
```

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

```
.border{ border-color:rgb(98, 148, 42) }
```

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

Here you see how a box with a 4 pixel rgb(98, 148, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 148, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 148, 42);  
box-shadow:4px 4px 4px 4px rgb(98, 148,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9436, 0.3491, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 148, 42) }
```

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

```
.background{ background-color: rgb(98, 148,  
42) }
```

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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