

Converting Colors

$Y_{xy}(23.1494, 0.3336, 0.5011)$

Have a look what the booklet for
Yxy(23.1494, 0.3336, 0.5011)
contains.

Yxy(23.0874, 0.3332, 0.5009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0874, 0.3332, 0.5009)

Conversions

Conversions Part 1

Format	Color
Hex	5B923A
RGB	91, 146, 58
RGB Percent	36%, 57%, 23%
CMY	0.6431, 0.4274, 0.7726
CMYK	0.38, 0.00, 0.60, 0.43
HSL	97°, 43%, 40%
HSV	97°, 60%, 57%
XYZ	15.3578, 23.0874, 7.6466
YIQ	119.5230, -4.5320, -39.0280

Conversions

Conversions Part 2

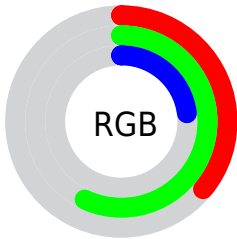
Format	Color
RYB	58, 146, 113
Decimal	6001210
CIELab	55.16, -34.40, 40.18
CIELCh	55, 52.894, 130.570
Yxy	23.0874, 0.3332, 0.5009
Android (android.graphics.Color)	4284191290 (0xFF5B923A)
YUV	119.5230, -30.3308, -25.0147
Hunter-Lab	48.0493, -27.0332, 24.1991

Details

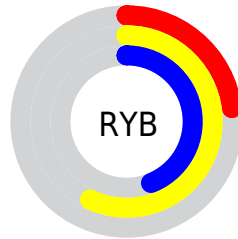
The Yxy color **23.0874, 0.3332, 0.5009** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.6074, 0.2687, 0.1713**, and the grayscale version is **18.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3206, 0.3325, 0.4608**, and **8.6053, 0.3268, 0.5723** is the 20% darker color. If you saturate the color by 10%, you get **22.5245, 0.3329, 0.5283**, and if you desaturate by 10%, it is **23.7507, 0.3320, 0.4710**.

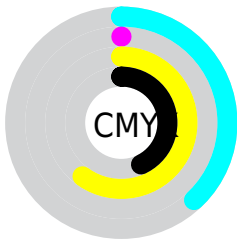
Distribution



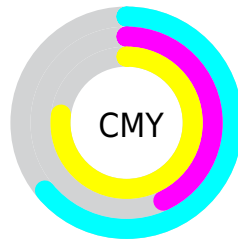
- Red (36%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (44%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)





- Cyan (64%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0874, 0.3332, 0.5009 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 23.0874, 0.3332, 0.5009 by changing the saturation by 10% instead.


 23.0874, 0.3332,
0.5009


 23.0874, 0.3332,
0.5009

268.1736, 0.3268,
0.4004


 14.6581, 0.3318,
0.5310


 48.5368, 0.3326,
0.4606

 8.5798, 0.3271,
0.5723


 66.3256, 0.3317,
0.4466


 4.4681, 0.3216,
0.6460

 88.0031, 0.3308,
0.4352


 1.9387, 0.2805,
0.7195

 113.9536, 0.3299,
0.4258

 0.5715, 0.0000,
1.0000

 144.5615, 0.3290,
0.4179

 0.0000, 0.0000,
0.0000

 180.2112, 0.3282,

0.4112

221.2871, 0.3275,
0.4054

■ 23.0874, 0.3332,
0.5009

■ 23.0874, 0.3332,
0.5009

■ 22.5245, 0.3329,
0.5283

■ 23.7507, 0.3320,
0.4710

■ 22.0535, 0.3308,
0.5515

■ 24.5167, 0.3295,
0.4403

■ 21.6688, 0.3271,
0.5692

■ 25.3910, 0.3260,
0.4100

■ 21.3647, 0.3226,
0.5820

■ 26.3782, 0.3219,
0.3811

■ 27.4823, 0.3174,
0.3542

■ 28.7073, 0.3128,
0.3297

■ 30.0569, 0.3083,
0.3075

■ 31.5346, 0.3038,
0.2877

■ 33.1440, 0.2995,
0.2701

Harmonies

Analogous

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



23.0874, 0.4167, 0.4828



23.0874, 0.3332, 0.5009



23.0874, 0.2489, 0.4459

Triad

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



23.0874, 0.3332, 0.5009



23.0874, 0.1650, 0.2072



23.0874, 0.4510, 0.2967

Complementary

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



23.0874, 0.3332, 0.5009



8.6074, 0.2687, 0.1713

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.



23.0874, 0.3624, 0.2426



23.0874, 0.3332, 0.5009



23.0874, 0.2012, 0.1928

Square

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



23.0874, 0.3332, 0.5009



23.0874, 0.1596, 0.2558



23.0874, 0.2693, 0.2060



23.0874, 0.4945, 0.3596

Rectangle

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



23.0874, 0.3332, 0.5009



23.0874, 0.2039, 0.3786



23.0874, 0.2693, 0.2060



23.0874, 0.4247, 0.2773

Sweetspot

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



23.0884, 0.3332, 0.5009



46.8921, 0.3211, 0.3758



18.0619, 0.4287, 0.4199



10.3231, 0.3222, 0.3831



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.



23.0884, 0.3332, 0.5009



39.4549, 0.3324, 0.5361



21.8774, 0.2972, 0.4973



6.5681, 0.3170, 0.3515



18.8127, 0.3230, 0.5817



0.2461, 0.3574, 0.5545

Inverse Universe

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



8.6074, 0.2687, 0.1713



11.5704, 0.2557, 0.1419



10.9050, 0.3353, 0.2055



5.8015, 0.3081, 0.3068



3.8054, 0.2307, 0.1044



0.0635, 0.2729, 0.1277

Previews

White Background



This preview shows how the Yxy color 23.0874, 0.3332, 0.5009 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 23.0874, 0.3332, 0.5009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

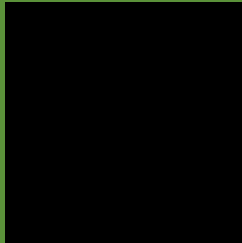
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0874, 0.3332, 0.5009

Background



This preview shows how black text looks on a background with the Yxy color 23.0874, 0.3332, 0.5009.



This preview shows how white text looks on a background with the Yxy color 23.0874, 0.3332, 0.5009.

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

23.0874, 0.3332, 0.5009

Protanopia

22.8799, 0.4116, 0.4534

Deuteranopia

22.7188, 0.4297, 0.4216



Tritanopia

23.0327, 0.2698, 0.3089

Trichromacy



Original Color

23.0874, 0.3332, 0.5009

Protanomaly

22.6028, 0.3811, 0.4723

Deuteranomaly

22.3571, 0.3912, 0.4506

Tritanomaly

22.7033, 0.2950, 0.3778

Monochromacy



Original Color

23.0874, 0.3332, 0.5009

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.8148, 0.3237, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0874, 0.3332, 0.5009 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(91, 146, 58)` looks like.

```
.text, #text, p{  
    color:rgb(91, 146, 58)  
}
```

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(91, 146, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 146, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.0874, 0.3332, 0.5009 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(91, 146, 58) }
```

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

```
.border{ border-color:rgb(91, 146, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 146, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 146, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 146, 58);  
box-shadow:4px 4px 4px 4px rgb(91, 146,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0874, 0.3332, 0.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 146, 58) }
```

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

```
.background{ background-color: rgb(91, 146,  
58) }
```

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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