

Converting Colors

$Y_{xy}(23.1855, 0.3304, 0.5226)$

Have a look what the booklet for
Yxy(23.1855, 0.3304, 0.5226)
contains.

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Color

Yxy(23.2322, 0.3307, 0.5229)

Conversions

Conversions Part 1

Format	Color
Hex	539430
RGB	83, 148, 48
RGB Percent	33%, 58%, 19%
CMY	0.6744, 0.4196, 0.8118
CMYK	0.44, 0.00, 0.68, 0.42
HSL	99°, 51%, 38%
HSV	99°, 68%, 58%
XYZ	14.6928, 23.2322, 6.5045
YIQ	117.1650, -6.6400, -44.8800

Conversions

Conversions Part 2

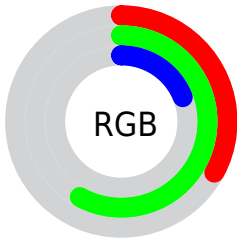
Format	Color
R_{YB}	48, 148, 113
Decimal	5477424
CIE _{Lab}	55.31, -39.03, 44.77
CIE _{LCh}	55, 59.391, 131.084
Yxy	23.2322, 0.3307, 0.5229
Android (android.graphics.Color)	4283667504 (0xFF539430)
YUV	117.1650, -34.0983, -29.9627
Hunter-Lab	48.1998, -29.9371, 25.7388

Details

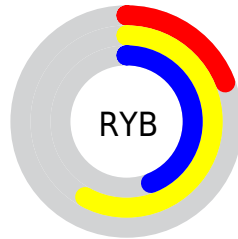
The Yxy color **23.2322, 0.3307, 0.5229** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.7583, 0.2653, 0.1558**, and the grayscale version is **17.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9311, 0.3316, 0.4782**, and **8.7690, 0.3152, 0.5880** is the 20% darker color. If you saturate the color by 10%, you get **22.7232, 0.3289, 0.5477**, and if you desaturate by 10%, it is **23.8447, 0.3309, 0.4943**.

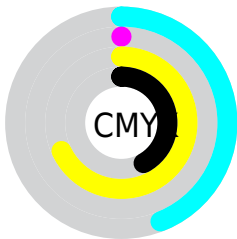
Distribution



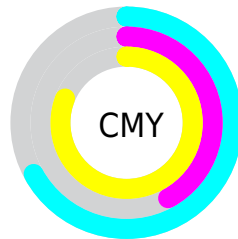
- Red (33%)
- Green (58%)
- Blue (19%)



- Red (19%)
- Yellow (58%)
- Blue (44%)



- Cyan (44%)
- Magenta (0%)
- Yellow (68%)
- Black (42%)




- Cyan (67%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2322, 0.3307, 0.5229 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 23.2322, 0.3307, 0.5229 by changing the saturation by 10% instead.


 23.2322, 0.3307,
0.5229


 23.2322, 0.3307,
0.5229


268.9154, 0.3272,
0.4094


 14.7651, 0.3275,
0.5564

 48.7743, 0.3318,
0.4776


 8.6547, 0.3194,
0.6016


 66.6181, 0.3314,
0.4618


 4.5166, 0.3115,
0.6885

 88.3562, 0.3308,
0.4489

 1.9665, 0.2508,
0.7492

 114.3730, 0.3301,
0.4383

 0.5879, 0.0000,
1.0000

 145.0529, 0.3293,
0.4293

 0.0000, 0.0000,
0.0000

 180.7804, 0.3286,

0.4217

221.9397, 0.3279,
0.4151

■ 23.2322, 0.3307,
0.5229

■ 23.2322, 0.3307,
0.5229

■ 22.7232, 0.3289,
0.5477

■ 23.8447, 0.3309,
0.4943

■ 22.3078, 0.3255,
0.5672

■ 24.5636, 0.3296,
0.4637

■ 21.9768, 0.3210,
0.5810

■ 25.3953, 0.3271,
0.4326

■ 21.9058, 0.3200,
0.5841

■ 26.3451, 0.3239,
0.4023

■ 27.4175, 0.3200,
0.3738

■ 28.6171, 0.3159,
0.3474

■ 29.9479, 0.3117,
0.3234

■ 31.4142, 0.3075,
0.3019

■ 33.0196, 0.3034,
0.2828

Harmonies

Analogous

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



23.2322, 0.4228, 0.4983



23.2322, 0.3307, 0.5229



23.2322, 0.2388, 0.4604

Triad

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



23.2322, 0.3307, 0.5229



23.2322, 0.1520, 0.1942



23.2322, 0.4688, 0.2930

Complementary

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



23.2322, 0.3307, 0.5229



7.7583, 0.2653, 0.1558

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.



23.2322, 0.3694, 0.2349



23.2322, 0.3307, 0.5229



23.2322, 0.1911, 0.1803

Square

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



23.2322, 0.3307, 0.5229



23.2322, 0.1452, 0.2449



23.2322, 0.2655, 0.1952



23.2322, 0.5149, 0.3603

Rectangle

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



23.2322, 0.3307, 0.5229



23.2322, 0.1907, 0.3820



23.2322, 0.2655, 0.1952



23.2322, 0.4395, 0.2722

Sweetspot

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



23.2332, 0.3307, 0.5229



47.8215, 0.3212, 0.3816



17.9495, 0.4428, 0.4304



10.8052, 0.3222, 0.3889



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.



23.2332, 0.3307, 0.5229



39.7055, 0.3274, 0.5582



22.1477, 0.2953, 0.5166



6.5614, 0.3166, 0.3515



18.7257, 0.3204, 0.5838



0.2445, 0.3542, 0.5570

Inverse Universe

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



7.7583, 0.2653, 0.1558



10.3699, 0.2513, 0.1278



10.1484, 0.3415, 0.1967



5.8085, 0.3085, 0.3068



3.9721, 0.2363, 0.1075



0.0651, 0.2765, 0.1297

Previews

White Background



This preview shows how the Yxy color 23.2322, 0.3307, 0.5229 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 23.2322, 0.3307, 0.5229 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 23.2322, 0.3307, 0.5229

Background



This preview shows how black text looks on a background with the Yxy color 23.2322, 0.3307, 0.5229.



This preview shows how white text looks on a background with the Yxy color 23.2322, 0.3307, 0.5229.

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

23.2322, 0.3307, 0.5229

Protanopia

22.8874, 0.4204, 0.4639

Deuteranopia

22.8453, 0.4397, 0.4300



Tritanopia

23.0562, 0.2648, 0.3088

Trichromacy



Original Color

23.2322, 0.3307, 0.5229

Protanomaly

22.6515, 0.3849, 0.4878

Deuteranomaly

22.1830, 0.3975, 0.4636

Tritanomaly

22.8955, 0.2920, 0.3884

Monochromacy



Original Color

23.2322, 0.3307, 0.5229

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.2143, 0.3244, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2322, 0.3307, 0.5229 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(83, 148, 48)` looks like.

```
.text, #text, p{  
    color:rgb(83, 148, 48)  
}
```

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(83, 148, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 148, 48) }
```

Border

The CSS property to change the border of an element to Yxy 23.2322, 0.3307, 0.5229 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(83, 148, 48) }
```

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

```
.border{ border-color:rgb(83, 148, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 148, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 148, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 148, 48);  
box-shadow:4px 4px 4px 4px rgb(83, 148,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2322, 0.3307, 0.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 148, 48) }
```

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

```
.background{ background-color: rgb(83, 148,  
48) }
```

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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