

Converting Colors

$Y_{xy}(23.4807, 0.3336, 0.5178)$

Have a look what the booklet for
Yxy(23.4807, 0.3336, 0.5178)
contains.

Yxy(23.4363, 0.3334, 0.5176)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4363, 0.3334, 0.5176)

Conversions

Conversions Part 1

Format	Color
Hex	579432
RGB	87, 148, 50
RGB Percent	34%, 58%, 20%
CMY	0.6588, 0.4196, 0.8039
CMYK	0.41, 0.00, 0.66, 0.42
HSL	97°, 49%, 39%
HSV	97°, 66%, 58%
XYZ	15.0959, 23.4363, 6.7465
YIQ	118.5890, -4.8980, -43.4100

Conversions

Conversions Part 2

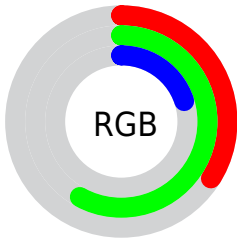
Format	Color
RYB	50, 148, 111
Decimal	5739570
CIELab	55.52, -37.49, 44.17
CIELCh	56, 57.936, 130.329
Yxy	23.4363, 0.3334, 0.5176
Android (android.graphics.Color)	4283929650 (0xFF579432)
YUV	118.5890, -33.8144, -27.7036
Hunter-Lab	48.4111, -29.0579, 25.6251

Details

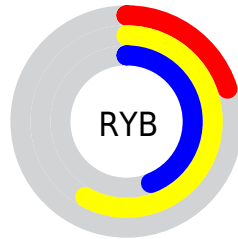
The Yxy color **23.4363, 0.3334, 0.5176** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.8011, 0.2626, 0.1570**, and the grayscale version is **18.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3142, 0.3335, 0.4741**, and **8.8565, 0.3208, 0.5834** is the 20% darker color. If you saturate the color by 10%, you get **22.9140, 0.3321, 0.5427**, and if you desaturate by 10%, it is **24.0586, 0.3331, 0.4890**.

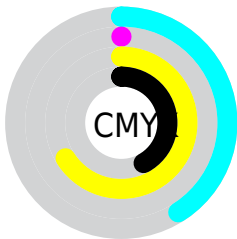
Distribution



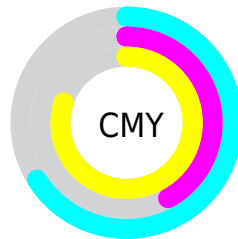
- Red (34%)
- Green (58%)
- Blue (20%)



- Red (20%)
- Yellow (58%)
- Blue (44%)



- Cyan (41%)
- Magenta (0%)
- Yellow (66%)
- Black (42%)




- Cyan (66%)
- Magenta (42%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4363, 0.3334, 0.5176 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 23.4363, 0.3334, 0.5176 by changing the saturation by 10% instead.


 23.4363, 0.3334,
0.5176


 23.4363, 0.3334,
0.5176


 269.9581, 0.3281,
0.4076


 14.9160, 0.3309,
0.5500


 49.1087, 0.3337,
0.4737


 8.7605, 0.3240,
0.5938


 67.0297, 0.3330,
0.4584

 4.5853, 0.3195,
0.6805

 88.8529, 0.3322,
0.4459

 2.0060, 0.2635,
0.7365

 114.9629, 0.3313,
0.4356

 0.6110, 0.0000,
1.0000

 145.7440, 0.3304,
0.4269

 0.0000, 0.0000,
0.0000

 181.5807, 0.3296,

0.4195

222.8572, 0.3288,
0.4131

■ 23.4363, 0.3334,
0.5176

■ 23.4363, 0.3334,
0.5176

■ 22.9140, 0.3321,
0.5427

■ 24.0586, 0.3331,
0.4890

■ 22.4823, 0.3290,
0.5627

■ 24.7834, 0.3312,
0.4586

■ 22.1338, 0.3245,
0.5770

■ 25.6169, 0.3283,
0.4279

■ 22.0176, 0.3228,
0.5819

■ 26.5637, 0.3245,
0.3981

■ 27.6285, 0.3202,
0.3699

■ 28.8152, 0.3156,
0.3439

■ 30.1280, 0.3110,
0.3203

■ 31.5705, 0.3064,
0.2991

■ 33.1464, 0.3020,
0.2802

Harmonies

Analogous

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



23.4363, 0.4231, 0.4934



23.4363, 0.3334, 0.5176



23.4363, 0.2431, 0.4588

Triad

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



23.4363, 0.3334, 0.5176



23.4363, 0.1547, 0.1981



23.4363, 0.4627, 0.2926

Complementary

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



23.4363, 0.3334, 0.5176



7.8011, 0.2626, 0.1570

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.



23.4363, 0.3654, 0.2358



23.4363, 0.3334, 0.5176



23.4363, 0.1925, 0.1834

Square

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



23.4363, 0.3334, 0.5176



23.4363, 0.1490, 0.2492



23.4363, 0.2646, 0.1973



23.4363, 0.5096, 0.3588

Rectangle

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



23.4363, 0.3334, 0.5176



23.4363, 0.1953, 0.3836



23.4363, 0.2646, 0.1973



23.4363, 0.4338, 0.2722

Sweetspot

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



23.4373, 0.3334, 0.5176



47.9338, 0.3220, 0.3815



17.7736, 0.4419, 0.4266



10.8333, 0.3231, 0.3887



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.



23.4373, 0.3334, 0.5176



40.0767, 0.3309, 0.5521



22.2010, 0.2964, 0.5157



6.5687, 0.3170, 0.3515



18.8203, 0.3232, 0.5816



0.2463, 0.3576, 0.5542

Inverse Universe

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



7.8011, 0.2626, 0.1570



10.3881, 0.2482, 0.1285



10.3722, 0.3380, 0.1965



5.8009, 0.3081, 0.3068



3.7919, 0.2302, 0.1042



0.0633, 0.2725, 0.1275

Previews

White Background



This preview shows how the Yxy color 23.4363, 0.3334, 0.5176 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 23.4363, 0.3334, 0.5176 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 23.4363, 0.3334, 0.5176

Background



This preview shows how black text looks on a background with the Yxy color 23.4363, 0.3334, 0.5176.



This preview shows how white text looks on a background with the Yxy color 23.4363, 0.3334, 0.5176.

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

23.4363, 0.3334, 0.5176

Protanopia

23.2682, 0.4191, 0.4624

Deuteranopia

23.1096, 0.4377, 0.4303



Tritanopia

23.2625, 0.2666, 0.3072

Trichromacy



Original Color

23.4363, 0.3334, 0.5176

Protanomaly

22.8178, 0.3861, 0.4839

Deuteranomaly

22.5508, 0.3971, 0.4629

Tritanomaly

23.1023, 0.2931, 0.3838

Monochromacy



Original Color

23.4363, 0.3334, 0.5176

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.8992, 0.3243, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4363, 0.3334, 0.5176 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(87, 148, 50)` looks like.

```
.text, #text, p{  
    color:rgb(87, 148, 50)  
}
```

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(87, 148, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 148, 50) }
```

Border

The CSS property to change the border of an element to Yxy 23.4363, 0.3334, 0.5176 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(87, 148, 50) }
```

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

```
.border{ border-color:rgb(87, 148, 50) }
```

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

Here you see how a box with a 4 pixel rgb(87, 148, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 148, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 148, 50);  
box-shadow:4px 4px 4px 4px rgb(87, 148,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4363, 0.3334, 0.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 148, 50) }
```

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

```
.background{ background-color: rgb(87, 148,  
50) }
```

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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