

Converting Colors

$Y_{xy}(18.5234, 0.3399, 0.5130)$

Have a look what the booklet for
Yxy(18.5234, 0.3399, 0.5130)
contains.

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Color

Yxy(18.5234, 0.3399, 0.5130)

Conversions

Conversions Part 1

Format	Color
Hex	53842C
RGB	83, 132, 44
RGB Percent	33%, 52%, 17%
CMY	0.6745, 0.4823, 0.8274
CMYK	0.37, 0.00, 0.67, 0.48
HSL	93°, 50%, 35%
HSV	93°, 67%, 52%
XYZ	12.2731, 18.5234, 5.3115
YIQ	107.3170, -0.9560, -37.7560

Conversions

Conversions Part 2

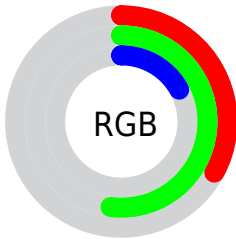
Format	Color
R_{YB}	44, 132, 93
Decimal	5473324
CIE _{Lab}	50.12, -32.30, 40.93
CIE _{LCh}	50, 52.140, 128.278
Yxy	18.5234, 0.3399, 0.5130
Android (android.graphics.Color)	4283663404 (0xFF53842C)
YUV	107.3170, -31.2153, -21.3260
Hunter-Lab	43.0388, -24.4162, 22.8101

Details

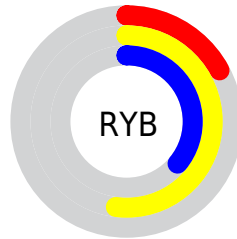
The Yxy color **18.5234, 0.3399, 0.5130** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.7953, 0.2533, 0.1532**, and the grayscale version is **14.8847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7403, 0.3387, 0.4674**, and **6.3106, 0.3261, 0.5793** is the 20% darker color. If you saturate the color by 10%, you get **18.1234, 0.3392, 0.5370**, and if you desaturate by 10%, it is **18.9921, 0.3387, 0.4857**.

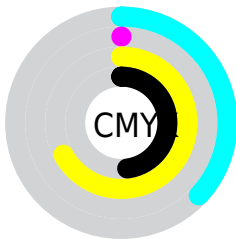
Distribution



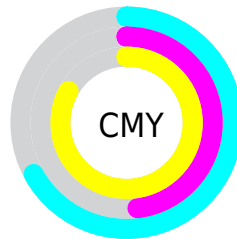
- Red (33%)
- Green (52%)
- Blue (17%)



- Red (17%)
- Yellow (52%)
- Blue (36%)



- Cyan (37%)
- Magenta (0%)
- Yellow (67%)
- Black (48%)




- Cyan (67%)
- Magenta (48%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5234, 0.3399, 0.5130 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 18.5234, 0.3399, 0.5130 by changing the saturation by 10% instead.


 18.5234, 0.3399,
0.5130


 18.5234, 0.3399,
0.5130


243.8049, 0.3302,
0.4026

 11.3264, 0.3383,
0.5472


 40.9272, 0.3385,
0.4679


 6.2868, 0.3322,
0.5949


 56.9028, 0.3371,
0.4525

 3.0203, 0.3212,
0.6788

 76.5734, 0.3358,
0.4401

 1.1423, 0.1951,
0.8049

 100.3233, 0.3345,
0.4299

 0.0138, 0.0000,
1.0000

 128.5370, 0.3332,
0.4213

 0.0000, 0.0000,
0.0000

 161.5990, 0.3321,

0.4141

199.8934, 0.3311,
0.4079

■ 18.5234, 0.3399,
0.5130

■ 18.5234, 0.3399,
0.5130

■ 18.1234, 0.3392,
0.5370

■ 18.9921, 0.3387,
0.4857

■ 17.7854, 0.3367,
0.5563

■ 19.5307, 0.3360,
0.4565

■ 17.5034, 0.3325,
0.5707

■ 20.1437, 0.3321,
0.4269

■ 17.4178, 0.3311,
0.5753

■ 20.8340, 0.3273,
0.3980

■ 21.6047, 0.3220,
0.3705

■ 22.4586, 0.3164,
0.3449

■ 23.3983, 0.3109,
0.3214

■ 24.4264, 0.3054,
0.3002

■ 25.5451, 0.3001,
0.2811

Harmonies

Analogous

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



18.5234, 0.4267, 0.4864



18.5234, 0.3399, 0.5130



18.5234, 0.2507, 0.4613

Triad

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



18.5234, 0.3399, 0.5130



18.5234, 0.1565, 0.2033



18.5234, 0.4534, 0.2896

Complementary

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



18.5234, 0.3399, 0.5130



5.7953, 0.2533, 0.1532

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.



18.5234, 0.3571, 0.2346



18.5234, 0.3399, 0.5130



18.5234, 0.1915, 0.1864

Square

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



18.5234, 0.3399, 0.5130



18.5234, 0.1531, 0.2565



18.5234, 0.2600, 0.1982



18.5234, 0.5037, 0.3543

Rectangle

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



18.5234, 0.3399, 0.5130



18.5234, 0.2023, 0.3901



18.5234, 0.2600, 0.1982



18.5234, 0.4243, 0.2697

Sweetspot

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



18.5242, 0.3399, 0.5130



37.5244, 0.3240, 0.3807



12.8120, 0.4495, 0.4164



8.6604, 0.3253, 0.3873



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5242, 0.3399, 0.5130



31.6045, 0.3381, 0.5475



17.2557, 0.3003, 0.5270



5.2982, 0.3178, 0.3510



16.8670, 0.3312, 0.5752



0.0626, 0.3657, 0.5478

Inverse Universe

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



5.7953, 0.2533, 0.1532



7.4216, 0.2360, 0.1218



8.2555, 0.3272, 0.1890



4.6629, 0.3072, 0.3071



3.0070, 0.2166, 0.0967



0.0148, 0.2626, 0.1220

Previews

White Background



This preview shows how the Yxy color 18.5234, 0.3399, 0.5130 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 18.5234, 0.3399, 0.5130 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 18.5234, 0.3399, 0.5130

Background



This preview shows how black text looks on a background with the Yxy color 18.5234, 0.3399, 0.5130.



This preview shows how white text looks on a background with the Yxy color 18.5234, 0.3399, 0.5130.

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

18.5234, 0.3399, 0.5130

Protanopia

18.3334, 0.4199, 0.4623

Deuteranopia

18.2436, 0.4375, 0.4311



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



Original Color

18.5234, 0.3399, 0.5130

Protanomaly

18.2202, 0.3889, 0.4828

Deuteranomaly

17.9314, 0.3997, 0.4606

Tritanomaly

18.0854, 0.2988, 0.3826

Monochromacy



Original Color

18.5234, 0.3399, 0.5130

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.7275, 0.3273, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5234, 0.3399, 0.5130 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, 132, 44)` looks like.

```
.text, #text, p{  
    color:rgb(83, 132, 44)  
}
```

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, 132, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 44) }
```

Border

The CSS property to change the border of an element to Yxy 18.5234, 0.3399, 0.5130 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, 132, 44) }
```

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

```
.border{ border-color:rgb(83, 132, 44) }
```

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

Here you see how a box with a 4 pixel rgb(83, 132, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 44);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5234, 0.3399, 0.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 44) }
```

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

```
.background{ background-color: rgb(83, 132,  
44) }
```

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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