

Converting Colors

$Y_{xy}(23.2871, 0.3315, 0.5120)$

Have a look what the booklet for
Yxy(23.2871, 0.3315, 0.5120)
contains.

Yxy(23.1507, 0.3320, 0.5121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1507, 0.3320, 0.5121)

Conversions

Conversions Part 1

Format	Color
Hex	579335
RGB	87, 147, 53
RGB Percent	34%, 58%, 21%
CMY	0.6587, 0.4235, 0.7921
CMYK	0.41, 0.00, 0.64, 0.42
HSL	98°, 47%, 39%
HSV	98°, 64%, 58%
XYZ	15.0089, 23.1507, 7.0478
YIQ	118.3440, -5.5860, -41.9540

Conversions

Conversions Part 2

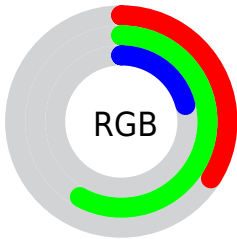
Format	Color
RYB	53, 147, 113
Decimal	5739317
CIELab	55.23, -36.76, 42.50
CIELCh	55, 56.194, 130.855
Yxy	23.1507, 0.3320, 0.5121
Android (android.graphics.Color)	4283929397 (0xFF579335)
YUV	118.3440, -32.2146, -27.4887
Hunter-Lab	48.1152, -28.5210, 24.9959

Details

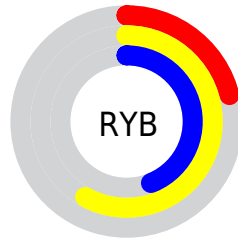
The Yxy color **23.1507, 0.3320, 0.5121** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.1650, 0.2670, 0.1633**, and the grayscale version is **18.3375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4355, 0.3323, 0.4682**, and **8.6728, 0.3213, 0.5831** is the 20% darker color. If you saturate the color by 10%, you get **22.6137, 0.3309, 0.5383**, and if you desaturate by 10%, it is **23.7899, 0.3315, 0.4827**.

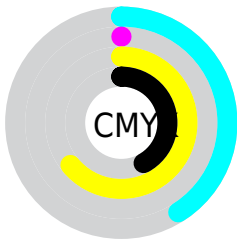
Distribution



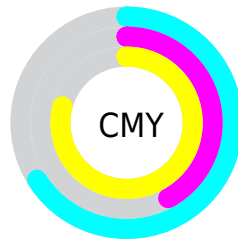
- Red (34%)
- Green (58%)
- Blue (21%)



- Red (21%)
- Yellow (58%)
- Blue (44%)



- Cyan (41%)
- Magenta (0%)
- Yellow (64%)
- Black (42%)





- Cyan (66%)
- Magenta (42%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1507, 0.3320, 0.5121 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 23.1507, 0.3320, 0.5121 by changing the saturation by 10% instead.


 23.1507, 0.3320,
0.5121


 23.1507, 0.3320,
0.5121


268.4981, 0.3270,
0.4050


 14.7048, 0.3297,
0.5440


 48.6407, 0.3322,
0.4692


 8.6125, 0.3233,
0.5874

 66.4535, 0.3316,
0.4543


 4.4893, 0.3183,
0.6713

 88.1575, 0.3308,
0.4422

 1.9509, 0.2654,
0.7346

 114.1370, 0.3300,
0.4321

 0.5787, 0.0000,
1.0000

 144.7764, 0.3292,
0.4237

 0.0000, 0.0000,
0.0000

 180.4602, 0.3284,

0.4165

221.5726, 0.3277,
0.4103

■ 23.1507, 0.3320,
0.5121

■ 23.1507, 0.3320,
0.5121

■ 22.6137, 0.3309,
0.5383

■ 23.7899, 0.3315,
0.4827

■ 22.1698, 0.3282,
0.5598

■ 24.5338, 0.3296,
0.4519

■ 21.8128, 0.3239,
0.5754

■ 25.3886, 0.3266,
0.4212

■ 21.6290, 0.3212,
0.5832

■ 26.3590, 0.3229,
0.3916

■ 27.4494, 0.3188,
0.3638

■ 28.6641, 0.3144,
0.3384

■ 30.0070, 0.3100,
0.3153

■ 31.4819, 0.3057,
0.2947

■ 33.0923, 0.3016,
0.2763

Harmonies

Analogous

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



23.1507, 0.4199, 0.4909



23.1507, 0.3320, 0.5121



23.1507, 0.2437, 0.4533

Triad

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



23.1507, 0.3320, 0.5121



23.1507, 0.1582, 0.2005



23.1507, 0.4602, 0.2948

Complementary

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



23.1507, 0.3320, 0.5121



8.1650, 0.2670, 0.1633

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.



23.1507, 0.3660, 0.2387



23.1507, 0.3320, 0.5121



23.1507, 0.1960, 0.1863

Square

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



23.1507, 0.3320, 0.5121



23.1507, 0.1521, 0.2502



23.1507, 0.2674, 0.2004



23.1507, 0.5050, 0.3601

Rectangle

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



23.1507, 0.3320, 0.5121



23.1507, 0.1971, 0.3803



23.1507, 0.2674, 0.2004



23.1507, 0.4323, 0.2747

Sweetspot

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



23.1517, 0.3320, 0.5121



48.0658, 0.3211, 0.3787



18.1681, 0.4350, 0.4265



10.8580, 0.3222, 0.3861



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.



23.1517, 0.3320, 0.5121



40.1088, 0.3298, 0.5490



22.0126, 0.2957, 0.5056



6.5645, 0.3168, 0.3515



18.7646, 0.3216, 0.5829



0.2452, 0.3556, 0.5558

Inverse Universe

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



8.1650, 0.2670, 0.1633



10.9734, 0.2530, 0.1334



10.4854, 0.3396, 0.2018



5.8053, 0.3083, 0.3068



3.8950, 0.2337, 0.1061



0.0644, 0.2748, 0.1288

Previews

White Background



This preview shows how the Yxy color 23.1507, 0.3320, 0.5121 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 23.1507, 0.3320, 0.5121 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 23.1507, 0.3320, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 23.1507, 0.3320, 0.5121.



This preview shows how white text looks on a background with the Yxy color 23.1507, 0.3320, 0.5121.

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

23.1507, 0.3320, 0.5121

Protanopia

22.9273, 0.4168, 0.4586

Deuteranopia

22.7800, 0.4348, 0.4260



Tritanopia

23.1717, 0.2665, 0.3089

Trichromacy



Original Color

23.1507, 0.3320, 0.5121

Protanomaly

22.4816, 0.3836, 0.4797

Deuteranomaly

22.2214, 0.3942, 0.4583

Tritanomaly

22.8060, 0.2930, 0.3820

Monochromacy



Original Color

23.1507, 0.3320, 0.5121

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.6345, 0.3245, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1507, 0.3320, 0.5121 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, 147, 53)` looks like.

```
.text, #text, p{  
    color:rgb(87, 147, 53)  
}
```

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, 147, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 147, 53) }
```

Border

The CSS property to change the border of an element to Yxy 23.1507, 0.3320, 0.5121 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, 147, 53) }
```

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

```
.border{ border-color:rgb(87, 147, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 147, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 147, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 147, 53);  
box-shadow:4px 4px 4px 4px rgb(87, 147,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1507, 0.3320, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 147, 53) }
```

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

```
.background{ background-color: rgb(87, 147,  
53) }
```

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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