

Converting Colors

$Y_{xy}(23.3008, 0.3082, 0.4621)$

Have a look what the booklet for
Yxy(23.3008, 0.3082, 0.4621)
contains.

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Color

Yxy(23.3615, 0.3083, 0.4613)

Conversions

Conversions Part 1

Format	Color
Hex	549352
RGB	84, 147, 82
RGB Percent	33%, 58%, 32%
CMY	0.6706, 0.4235, 0.6784
CMYK	0.43, 0.00, 0.44, 0.42
HSL	118°, 28%, 45%
HSV	118°, 44%, 58%
XYZ	15.6132, 23.3615, 11.6681
YIQ	120.7530, -16.6830, -33.5710

Conversions

Conversions Part 2

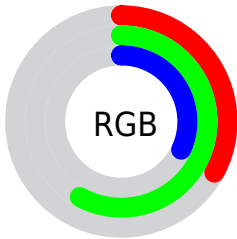
Format	Color
R_{YB}	82, 147, 145
Decimal	5542738
CIE _{Lab}	55.44, -34.11, 28.18
CIE _{LCh}	55, 44.244, 140.437
Yxy	23.3615, 0.3083, 0.4613
Android (android.graphics.Color)	4283732818 (0xFF549352)
YUV	120.7530, -19.1052, -32.2324
Hunter-Lab	48.3337, -26.9235, 19.5206

Details

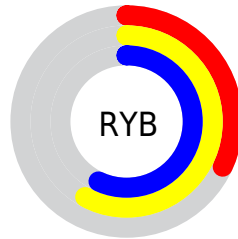
The Yxy color **23.3615, 0.3083, 0.4613** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.1600, 0.3148, 0.2233**, and the grayscale version is **19.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7576, 0.3116, 0.4296**, and **8.7784, 0.2998, 0.5210** is the 20% darker color. If you saturate the color by 10%, you get **22.5702, 0.3068, 0.4959**, and if you desaturate by 10%, it is **24.3364, 0.3096, 0.4271**.

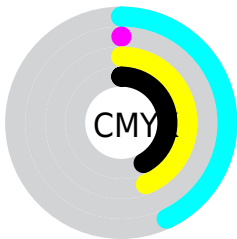
Distribution



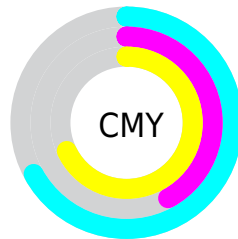
- Red (33%)
- Green (58%)
- Blue (32%)



- Red (32%)
- Yellow (58%)
- Blue (57%)



- Cyan (43%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)





- Cyan (67%)
- Magenta (42%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3615, 0.3083, 0.4613 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 23.3615, 0.3083, 0.4613 by changing the saturation by 10% instead.


 23.3615, 0.3083,
0.4613


 23.3615, 0.3083,
0.4613


269.5763, 0.3134,
0.3834


 14.8607, 0.3052,
0.4857


 48.9862, 0.3112,
0.4296


 8.7217, 0.2997,
0.5204


 66.8789, 0.3120,
0.4188


 4.5601, 0.2884,
0.5730

 88.6710, 0.3125,
0.4101

 1.9915, 0.2846,
0.7154

 114.7469, 0.3128,
0.4029

 0.6025, 0.0000,
1.0000

 145.4910, 0.3131,
0.3968

 0.0000, 0.0000,
0.0000

181.2876, 0.3132,

0.3917

222.5213, 0.3134,
0.3873

■ 23.3615, 0.3083,
0.4613

■ 23.3615, 0.3083,
0.4613

■ 22.5702, 0.3068,
0.4959

■ 24.3364, 0.3096,
0.4271

■ 21.9484, 0.3053,
0.5288

■ 25.5022, 0.3107,
0.3948

■ 21.4844, 0.3037,
0.5574


■ 26.8695, 0.3117,
0.3654

■ 21.1642, 0.3023,
0.5793


■ 28.4472, 0.3124,
0.3391


■ 20.9707, 0.3011,
0.5933


■ 30.2435, 0.3131,
0.3161

 20.8975, 0.3009,
0.5993

 32.2664, 0.3135,
0.2960

 34.5235, 0.3139,
0.2787

 37.0218, 0.3142,
0.2638

 39.7683, 0.3144,
0.2510

Harmonies

Analogous

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



23.3615, 0.3820, 0.4690



23.3615, 0.3083, 0.4613



23.3615, 0.2398, 0.3990

Triad

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



23.3615, 0.3083, 0.4613



23.3615, 0.1927, 0.2180



23.3615, 0.4455, 0.3208

Complementary

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



23.3615, 0.3083, 0.4613



14.1600, 0.3148, 0.2233

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.



23.3615, 0.3812, 0.2695



23.3615, 0.3083, 0.4613



23.3615, 0.2342, 0.2127

Square

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



23.3615, 0.3083, 0.4613



23.3615, 0.1791, 0.2513



23.3615, 0.3013, 0.2313



23.3615, 0.4668, 0.3777

Rectangle

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



23.3615, 0.3083, 0.4613



23.3615, 0.2063, 0.3428



23.3615, 0.3013, 0.2313



23.3615, 0.4278, 0.3028

Sweetspot

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



23.3625, 0.3083, 0.4613



48.3706, 0.3118, 0.3627



27.0130, 0.3778, 0.4314



10.9192, 0.3116, 0.3684



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.



23.3625, 0.3083, 0.4613



40.4352, 0.3069, 0.4955



23.8392, 0.2817, 0.3984



6.4765, 0.3121, 0.3518



18.1185, 0.3009, 0.5993



0.2235, 0.3056, 0.5956

Inverse Universe

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



14.1600, 0.3148, 0.2233



21.7722, 0.3149, 0.2026



13.5140, 0.3639, 0.2696



5.9002, 0.3133, 0.3072



6.8491, 0.3134, 0.1500



0.0861, 0.3174, 0.1522

Previews

White Background



This preview shows how the Yxy color 23.3615, 0.3083, 0.4613 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 23.3615, 0.3083, 0.4613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

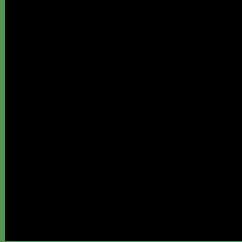
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3615, 0.3083, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 23.3615, 0.3083, 0.4613.



This preview shows how white text looks on a background with the Yxy color 23.3615, 0.3083, 0.4613.

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

23.3615, 0.3083, 0.4613

Protanopia

23.0441, 0.3900, 0.4233

Deuteranopia

22.9808, 0.4002, 0.3917



Tritanopia

23.2639, 0.2625, 0.3088

Trichromacy



Original Color

23.3615, 0.3083, 0.4613

Protanomaly

22.6523, 0.3573, 0.4378

Deuteranomaly

22.6116, 0.3630, 0.4171

Tritanomaly

23.1538, 0.2796, 0.3619

Monochromacy



Original Color

23.3615, 0.3083, 0.4613

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2149, 0.3117, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3615, 0.3083, 0.4613 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(84, 147, 82)` looks like.

```
.text, #text, p{  
  color:rgb(84, 147, 82)  
}
```

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(84, 147, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 147, 82) }
```

Border

The CSS property to change the border of an element to Yxy 23.3615, 0.3083, 0.4613 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(84, 147, 82) }
```

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

```
.border{ border-color:rgb(84, 147, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 147, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 147, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 147, 82);  
box-shadow:4px 4px 4px 4px rgb(84, 147,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3615, 0.3083, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 147, 82) }
```

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

```
.background{ background-color: rgb(84, 147,  
82) }
```

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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