

Converting Colors

$Y_{xy}(22.9128, 0.3159, 0.4436)$

Have a look what the booklet for
Yxy(22.9128, 0.3159, 0.4436)
contains.

Yxy(23.0513, 0.3160, 0.4449)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0513, 0.3160, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	5F9056
RGB	95, 144, 86
RGB Percent	37%, 56%, 34%
CMY	0.6274, 0.4353, 0.6628
CMYK	0.34, 0.00, 0.40, 0.44
HSL	111°, 25%, 45%
HSV	111°, 40%, 56%
XYZ	16.3727, 23.0513, 12.3883
YIQ	122.7370, -10.5860, -28.4260

Conversions

Conversions Part 2

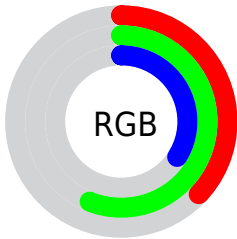
Format	Color
RYB	86, 144, 135
Decimal	6262870
CIELab	55.13, -28.37, 25.72
CIElCh	55, 38.291, 137.808
Yxy	23.0513, 0.3160, 0.4449
Android (android.graphics.Color)	4284452950 (0xFF5F9056)
YUV	122.7370, -18.1113, -24.3253
Hunter-Lab	48.0118, -23.1496, 18.3098

Details

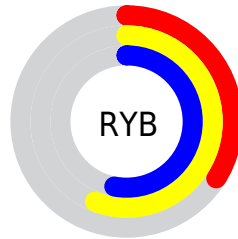
The Yxy color **23.0513, 0.3160, 0.4449** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.8174, 0.3045, 0.2293**, and the grayscale version is **19.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3688, 0.3168, 0.4179**, and **8.5331, 0.3122, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **22.2418, 0.3157, 0.4783**, and if you desaturate by 10%, it is **24.0112, 0.3157, 0.4125**.

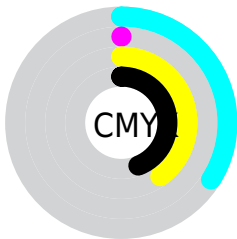
Distribution



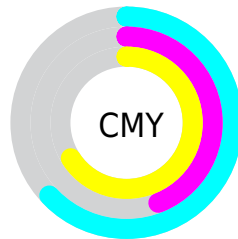
- Red (37%)
- Green (56%)
- Blue (34%)



- Red (34%)
- Yellow (56%)
- Blue (53%)



- Cyan (34%)
- Magenta (0%)
- Yellow (40%)
- Black (44%)





- Cyan (63%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0513, 0.3160, 0.4449 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 23.0513, 0.3160, 0.4449 by changing the saturation by 10% instead.


 23.0513, 0.3160,
0.4449


 23.0513, 0.3160,
0.4449


267.9884, 0.3162,
0.3770


 14.6314, 0.3147,
0.4660


 48.4775, 0.3168,
0.4174


 8.5611, 0.3119,
0.4962


 66.2527, 0.3169,
0.4079


 4.4560, 0.3053,
0.5420

 87.9150, 0.3168,
0.4003

 1.9318, 0.3151,
0.6761

 113.8489, 0.3167,
0.3940

 0.5674, 0.0000,
1.0000

 144.4388, 0.3166,
0.3888

 0.0000, 0.0000,
0.0000

180.0691, 0.3165,

0.3843

221.1241, 0.3163,
0.3804

■ 23.0513, 0.3160,
0.4449

■ 23.0513, 0.3160,
0.4449

■ 22.2418, 0.3157,
0.4783

■ 24.0112, 0.3157,
0.4125

■ 21.5722, 0.3148,
0.5109

■ 25.1257, 0.3150,
0.3821

■ 21.0354, 0.3131,
0.5407


■ 26.4021, 0.3140,
0.3545


■ 20.6222, 0.3108,
0.5656


■ 27.8466, 0.3128,
0.3297

■ 20.3223, 0.3079,
0.5837


■ 29.4652, 0.3114,
0.3077

 20.1221, 0.3053,
0.5958

 31.2633, 0.3101,
0.2885

 33.2462, 0.3088,
0.2717

 35.4191, 0.3075,
0.2571

 37.7868, 0.3062,
0.2444

Harmonies

Analogous

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



23.0513, 0.3803, 0.4497



23.0513, 0.3160, 0.4449



23.0513, 0.2542, 0.3952

Triad

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



23.0513, 0.3160, 0.4449



23.0513, 0.2041, 0.2327



23.0513, 0.4244, 0.3188

Complementary

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



23.0513, 0.3160, 0.4449



13.8174, 0.3045, 0.2293

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.



23.0513, 0.3667, 0.2731



23.0513, 0.3160, 0.4449



23.0513, 0.2395, 0.2252

Square

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



23.0513, 0.3160, 0.4449



23.0513, 0.1942, 0.2657



23.0513, 0.2975, 0.2400



23.0513, 0.4475, 0.3697

Rectangle

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



23.0513, 0.3160, 0.4449



23.0513, 0.2226, 0.3481



23.0513, 0.2975, 0.2400



23.0513, 0.4081, 0.3026

Sweetspot

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



23.0523, 0.3160, 0.4449



46.1011, 0.3142, 0.3597



23.7437, 0.3768, 0.4113



10.5119, 0.3143, 0.3627



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.0523, 0.3160, 0.4449



39.3997, 0.3158, 0.4739



22.9518, 0.2906, 0.4073



6.0671, 0.3138, 0.3515



17.5294, 0.3056, 0.5956



0.1737, 0.3264, 0.5791

Inverse Universe

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



13.8174, 0.3045, 0.2293



20.8636, 0.3019, 0.2085



14.0558, 0.3454, 0.2623



5.4692, 0.3114, 0.3071



5.3402, 0.2829, 0.1332



0.0585, 0.3026, 0.1441

Previews

White Background



This preview shows how the Yxy color 23.0513, 0.3160, 0.4449 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 23.0513, 0.3160, 0.4449 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 23.0513, 0.3160, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 23.0513, 0.3160, 0.4449.



This preview shows how white text looks on a background with the Yxy color 23.0513, 0.3160, 0.4449.

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

23.0513, 0.3160, 0.4449

Protanopia

22.6663, 0.3830, 0.4147

Deuteranopia

22.8280, 0.3941, 0.3876



Tritanopia

23.0936, 0.2707, 0.3090

Trichromacy



Original Color

23.0513, 0.3160, 0.4449

Protanomaly

22.6685, 0.3566, 0.4261

Deuteranomaly

22.5647, 0.3618, 0.4078

Tritanomaly

23.0616, 0.2878, 0.3576

Monochromacy



Original Color

23.0513, 0.3160, 0.4449

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.8691, 0.3142, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0513, 0.3160, 0.4449 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(95, 144, 86)` looks like.

```
.text, #text, p{  
  color:rgb(95, 144, 86)  
}
```

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(95, 144, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 144, 86) }
```

Border

The CSS property to change the border of an element to Yxy 23.0513, 0.3160, 0.4449 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(95, 144, 86) }
```

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

```
.border{ border-color:rgb(95, 144, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 144, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 144, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 144, 86);  
box-shadow:4px 4px 4px 4px rgb(95, 144,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0513, 0.3160, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 144, 86) }
```

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

```
.background{ background-color: rgb(95, 144,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor