

Converting Colors

$Yxy(23.5831, 0.3148, 0.4781)$

Have a look what the booklet for
Yxy(23.5831, 0.3148, 0.4781)
contains.

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Color

Yxy(23.6055, 0.3153, 0.4779)

Conversions

Conversions Part 1

Format	Color
Hex	55944A
RGB	85, 148, 74
RGB Percent	33%, 58%, 29%
CMY	0.6666, 0.4196, 0.7098
CMYK	0.43, 0.00, 0.50, 0.42
HSL	111°, 33%, 44%
HSV	111°, 50%, 58%
XYZ	15.5740, 23.6055, 10.2147
YIQ	120.7270, -13.7940, -36.3700

Conversions

Conversions Part 2

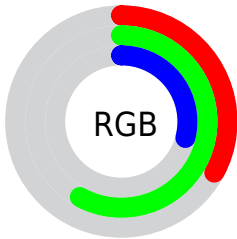
Format	Color
R_{YB}	74, 148, 137
Decimal	5608522
CIE _{Lab}	55.69, -35.41, 32.73
CIE _{LCh}	56, 48.215, 137.251
Yxy	23.6055, 0.3153, 0.4779
Android (android.graphics.Color)	4283798602 (0xFF55944A)
YUV	120.7270, -23.0364, -31.3326
Hunter-Lab	48.5855, -27.8067, 21.5446

Details

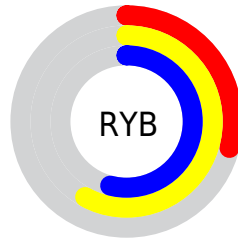
The Yxy color **23.6055, 0.3153, 0.4779** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3531, 0.3023, 0.2062**, and the grayscale version is **19.1092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5704, 0.3173, 0.4433**, and **8.9153, 0.3070, 0.5445** is the 20% darker color. If you saturate the color by 10%, you get **22.8917, 0.3143, 0.5107**, and if you desaturate by 10%, it is **24.4732, 0.3156, 0.4444**.

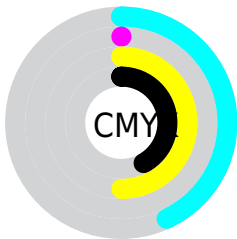
Distribution



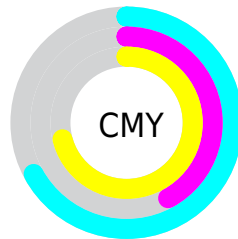
- Red (33%)
- Green (58%)
- Blue (29%)



- Red (29%)
- Yellow (58%)
- Blue (54%)



- Cyan (43%)
- Magenta (0%)
- Yellow (50%)
- Black (42%)



- Cyan (67%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6055, 0.3153, 0.4779 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 23.6055, 0.3153, 0.4779 by changing the saturation by 10% instead.


 23.6055, 0.3153,
0.4779


 23.6055, 0.3153,
0.4779


270.8199, 0.3173,
0.3904


 15.0412, 0.3126,
0.5050


 49.3857, 0.3173,
0.4424

 8.8483, 0.3071,
0.5431


 67.3704, 0.3177,
0.4303


 4.6424, 0.2953,
0.6001

 89.2640, 0.3178,
0.4204

 2.0390, 0.2784,
0.7216

 115.4509, 0.3178,
0.4123

 0.6300, 0.0000,
1.0000

 146.3156, 0.3177,
0.4055

 0.0000, 0.0000,
0.0000

182.2424, 0.3176,

0.3997

223.6157, 0.3175,
0.3947

■ 23.6055, 0.3153,
0.4779

■ 23.6055, 0.3153,
0.4779

■ 22.8917, 0.3143,
0.5107

■ 24.4732, 0.3156,
0.4444

■ 22.3199, 0.3127,
0.5407

■ 25.4999, 0.3154,
0.4119

■ 21.8813, 0.3103,
0.5657


■ 26.6944, 0.3148,
0.3815


■ 21.5646, 0.3075,
0.5839


■ 28.0635, 0.3138,
0.3538


■ 21.3506, 0.3049,
0.5961


■ 29.6142, 0.3127,
0.3290

 21.3506, 0.3049,
0.5961

 31.3525, 0.3115,
0.3071

 33.2847, 0.3103,
0.2879

 35.4164, 0.3090,
0.2712

 37.7532, 0.3078,
0.2567

Harmonies

Analogous

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



23.6055, 0.3939, 0.4777



23.6055, 0.3153, 0.4779



23.6055, 0.2403, 0.4149

Triad

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



23.6055, 0.3153, 0.4779



23.6055, 0.1813, 0.2119



23.6055, 0.4513, 0.3130

Complementary

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



23.6055, 0.3153, 0.4779



12.3531, 0.3023, 0.2062

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.



23.6055, 0.3777, 0.2598



23.6055, 0.3153, 0.4779



23.6055, 0.2220, 0.2039

Square

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



23.6055, 0.3153, 0.4779



23.6055, 0.1699, 0.2502



23.6055, 0.2912, 0.2213



23.6055, 0.4795, 0.3730

Rectangle

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



23.6055, 0.3153, 0.4779



23.6055, 0.2027, 0.3532



23.6055, 0.2912, 0.2213



23.6055, 0.4306, 0.2942

Sweetspot

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



23.6065, 0.3153, 0.4779



48.1969, 0.3143, 0.3681



24.6533, 0.3920, 0.4318



10.8985, 0.3145, 0.3735



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.



23.6065, 0.3153, 0.4779



40.2575, 0.3142, 0.5145



23.5539, 0.2856, 0.4281



6.5074, 0.3137, 0.3517



18.2451, 0.3052, 0.5959



0.2312, 0.3253, 0.5799

Inverse Universe

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



12.3531, 0.3023, 0.2062



18.0279, 0.2986, 0.1822



12.6018, 0.3586, 0.2485



5.8659, 0.3115, 0.3070



5.6216, 0.2844, 0.1340



0.0784, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 23.6055, 0.3153, 0.4779 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 23.6055, 0.3153, 0.4779 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 23.6055, 0.3153, 0.4779

Background



This preview shows how black text looks on a background with the Yxy color 23.6055, 0.3153, 0.4779.



This preview shows how white text looks on a background with the Yxy color 23.6055, 0.3153, 0.4779.

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

23.6055, 0.3153, 0.4779

Protanopia

23.3157, 0.3974, 0.4347

Deuteranopia

23.3203, 0.4109, 0.4044



Tritanopia

23.6432, 0.2628, 0.3089

Trichromacy



Original Color

23.6055, 0.3153, 0.4779

Protanomaly

22.9170, 0.3645, 0.4506

Deuteranomaly

22.8503, 0.3718, 0.4318

Tritanomaly

23.4547, 0.2824, 0.3677

Monochromacy



Original Color

23.6055, 0.3153, 0.4779

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.4202, 0.3148, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6055, 0.3153, 0.4779 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(85, 148, 74)` looks like.

```
.text, #text, p{  
    color:rgb(85, 148, 74)  
}
```

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(85, 148, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 148, 74) }
```

Border

The CSS property to change the border of an element to Yxy 23.6055, 0.3153, 0.4779 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(85, 148, 74) }
```

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

```
.border{ border-color:rgb(85, 148, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 148, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 148, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 148, 74);  
box-shadow:4px 4px 4px 4px rgb(85, 148,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6055, 0.3153, 0.4779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 148, 74) }
```

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

```
.background{ background-color: rgb(85, 148,  
74) }
```

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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