

Converting Colors

$Y_{xy}(23.1970, 0.3146, 0.4643)$

Have a look what the booklet for
Yxy(23.1970, 0.3146, 0.4643)
contains.

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Color

Yxy(23.1970, 0.3146, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	58924F
RGB	88, 146, 79
RGB Percent	35%, 57%, 31%
CMY	0.6547, 0.4275, 0.6902
CMYK	0.40, 0.00, 0.46, 0.43
HSL	112°, 30%, 44%
HSV	112°, 46%, 57%
XYZ	15.7178, 23.1970, 11.0464
YIQ	121.0200, -13.0610, -33.1330

Conversions

Conversions Part 2

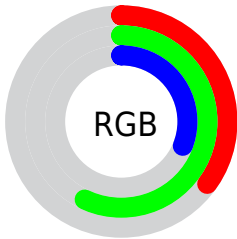
Format	Color
RYB	79, 146, 137
Decimal	5804623
CIELab	55.27, -32.77, 29.61
CIELCh	55, 44.168, 137.905
Yxy	23.1970, 0.3146, 0.4643
Android (android.graphics.Color)	4283994703 (0xFF58924F)
YUV	121.0200, -20.7159, -28.9585
Hunter-Lab	48.1633, -26.0333, 20.1159

Details

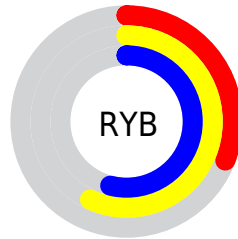
The Yxy color **23.1970, 0.3146, 0.4643** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.9822, 0.3048, 0.2163**, and the grayscale version is **19.2023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5563, 0.3167, 0.4319**, and **8.6638, 0.3076, 0.5246** is the 20% darker color. If you saturate the color by 10%, you get **22.4440, 0.3138, 0.4978**, and if you desaturate by 10%, it is **24.1055, 0.3148, 0.4309**.

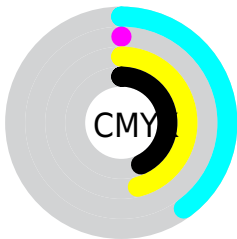
Distribution



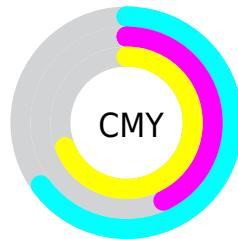
- Red (35%)
- Green (57%)
- Blue (31%)



- Red (31%)
- Yellow (57%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (46%)
- Black (43%)





- Cyan (65%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1970, 0.3146, 0.4643 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 23.1970, 0.3146, 0.4643 by changing the saturation by 10% instead.


 23.1970, 0.3146,
0.4643


 23.1970, 0.3146,
0.4643


268.7352, 0.3164,
0.3848


 14.7390, 0.3124,
0.4891


 48.7166, 0.3163,
0.4320


 8.6364, 0.3078,
0.5242


 66.5470, 0.3166,
0.4209


 4.5048, 0.2978,
0.5771

 88.2704, 0.3167,
0.4120

 1.9598, 0.2917,
0.7083

 114.2711, 0.3167,
0.4046

 0.5839, 0.0000,
1.0000

 144.9335, 0.3167,
0.3985

 0.0000, 0.0000,
0.0000

180.6421, 0.3166,

0.3932

221.7812, 0.3165,
0.3887

■ 23.1970, 0.3146,
0.4643

■ 23.1970, 0.3146,
0.4643

■ 22.4440, 0.3138,
0.4978

■ 24.1055, 0.3148,
0.4309

■ 21.8349, 0.3124,
0.5293

■ 25.1744, 0.3146,
0.3991

■ 21.3612, 0.3103,
0.5567


■ 26.4121, 0.3141,
0.3697


■ 21.0124, 0.3078,
0.5779


■ 27.8255, 0.3133,
0.3432

■ 20.7751, 0.3051,
0.5918

■ 29.4212, 0.3123,
0.3197

 20.7022, 0.3043,
0.5966

 31.2052, 0.3113,
0.2990

 33.1835, 0.3102,
0.2809

 35.3618, 0.3092,
0.2652

 37.7455, 0.3081,
0.2515

Harmonies

Analogous

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



23.1970, 0.3878, 0.4673



23.1970, 0.3146, 0.4643



23.1970, 0.2448, 0.4058

Triad

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



23.1970, 0.3146, 0.4643



23.1970, 0.1904, 0.2196



23.1970, 0.4415, 0.3162

Complementary

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



23.1970, 0.3146, 0.4643



12.9822, 0.3048, 0.2163

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.



23.1970, 0.3747, 0.2657



23.1970, 0.3146, 0.4643



23.1970, 0.2296, 0.2121

Square

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



23.1970, 0.3146, 0.4643



23.1970, 0.1792, 0.2555



23.1970, 0.2949, 0.2289



23.1970, 0.4671, 0.3729

Rectangle

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



23.1970, 0.3146, 0.4643



23.1970, 0.2098, 0.3499



23.1970, 0.2949, 0.2289



23.1970, 0.4227, 0.2983

Sweetspot

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



23.1980, 0.3146, 0.4643



46.9754, 0.3139, 0.3653



24.2686, 0.3854, 0.4239



10.3486, 0.3141, 0.3707



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.



23.1980, 0.3146, 0.4643



39.5690, 0.3138, 0.4985



23.1872, 0.2872, 0.4183



6.5037, 0.3135, 0.3517



18.2253, 0.3045, 0.5964



0.2303, 0.3231, 0.5816

Inverse Universe

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



12.9822, 0.3048, 0.2163



19.2232, 0.3021, 0.1935



13.1218, 0.3534, 0.2549



5.8699, 0.3117, 0.3070



5.7565, 0.2879, 0.1359



0.0793, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 23.1970, 0.3146, 0.4643 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 23.1970, 0.3146, 0.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

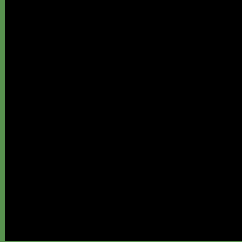
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1970, 0.3146, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 23.1970, 0.3146, 0.4643.



This preview shows how white text looks on a background with the Yxy color 23.1970, 0.3146, 0.4643.

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

23.1970, 0.3146, 0.4643

Protanopia

23.0167, 0.3920, 0.4263

Deuteranopia

22.9327, 0.4036, 0.3962



Tritanopia

23.1136, 0.2656, 0.3088

Trichromacy



Original Color

23.1970, 0.3146, 0.4643

Protanomaly

22.6982, 0.3604, 0.4407

Deuteranomaly

22.3708, 0.3680, 0.4203

Tritanomaly

22.9918, 0.2831, 0.3619

Monochromacy



Original Color

23.1970, 0.3146, 0.4643

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2571, 0.3139, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1970, 0.3146, 0.4643 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(88, 146, 79)` looks like.

```
.text, #text, p{  
    color:rgb(88, 146, 79)  
}
```

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(88, 146, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 146, 79) }
```

Border

The CSS property to change the border of an element to Yxy 23.1970, 0.3146, 0.4643 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(88, 146, 79) }
```

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

```
.border{ border-color:rgb(88, 146, 79) }
```

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

Here you see how a box with a 4 pixel rgb(88, 146, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 146, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 146, 79);  
box-shadow:4px 4px 4px 4px rgb(88, 146,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1970, 0.3146, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 146, 79) }
```

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

```
.background{ background-color: rgb(88, 146,  
79) }
```

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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