

Converting Colors

$Y_{xy}(24.7392, 0.4176, 0.4877)$

Have a look what the booklet for
Yxy(24.7392, 0.4176, 0.4877)
contains.

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Color

Yxy(24.8646, 0.4173, 0.4877)

Conversions

Conversions Part 1

Format	Color
Hex	918C1D
RGB	145, 140, 29
RGB Percent	57%, 55%, 11%
CMY	0.4314, 0.4509, 0.8861
CMYK	0.00, 0.03, 0.80, 0.43
HSL	57°, 67%, 34%
HSV	57°, 80%, 57%
XYZ	21.2754, 24.8646, 4.8434
YIQ	128.8410, 38.6110, -33.4610

Conversions

Conversions Part 2

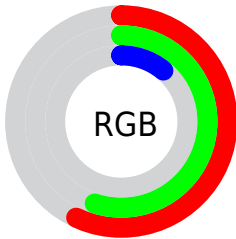
Format	Color
RYB	34, 145, 29
Decimal	9538589
CIELab	56.94, -10.82, 54.90
CIELCh	57, 55.957, 101.153
Yxy	24.8646, 0.4173, 0.4877
Android (android.graphics.Color)	4287728669 (0xFF918C1D)
YUV	128.8410, -49.2216, 14.1714
Hunter-Lab	49.8644, -11.1031, 29.1461

Details

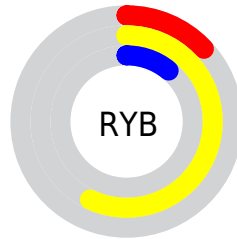
The Yxy color **24.8646, 0.4173, 0.4877** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.4514, 0.1684, 0.0939**, and the grayscale version is **22.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3366, 0.4010, 0.4572**, and **9.5365, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **24.6287, 0.4230, 0.4950**, and if you desaturate by 10%, it is **25.1377, 0.4091, 0.4763**.

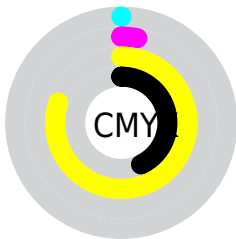
Distribution



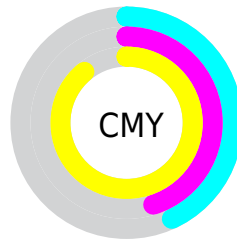
- Red (57%)
- Green (55%)
- Blue (11%)



- Red (13%)
- Yellow (57%)
- Blue (11%)



- Cyan (0%)
- Magenta (3%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (45%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8646, 0.4173, 0.4877 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 24.8646, 0.4173, 0.4877 by changing the saturation by 10% instead.

■ 24.8646, 0.4173,
0.4877

■ 24.8646, 0.4173,
0.4877

■ 277.1630, 0.3666,
0.4042

■ 15.9762, 0.4264,
0.5070

■ 51.4375, 0.4007,
0.4577

■ 9.5073, 0.4355,
0.5302

■ 69.8908, 0.3938,
0.4462

■ 5.0735, 0.4424,
0.5576

■ 92.3011, 0.3877,
0.4364

■ 2.2905, 0.4283,
0.5717

■ 119.0530, 0.3824,
0.4280

■ 0.7687, 0.3776,
0.6224

■ 150.5307, 0.3777,
0.4208

■ 0.0000, 0.0000,
0.0000

■ 187.1186, 0.3736,

0.4145

229.2013, 0.3699,
0.4090

■ 24.8646, 0.4173,
0.4877

■ 24.8646, 0.4173,
0.4877

■ 24.6287, 0.4230,
0.4950

■ 25.1377, 0.4091,
0.4763

■ 24.4152, 0.4268,
0.4993

■ 25.4486, 0.3985,
0.4609

■ 24.4144, 0.4268,
0.4993

■ 25.8022, 0.3860,
0.4423

■ 26.2015, 0.3720,
0.4212

■ 26.6494, 0.3572,
0.3985

■ 27.1487, 0.3421,
0.3751

■ 27.7016, 0.3271,
0.3517

■ 28.3106, 0.3127,
0.3289

■ 28.9776, 0.2989,
0.3072

Harmonies

Analogous

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



24.8646, 0.4813, 0.4282



24.8646, 0.4173, 0.4877



24.8646, 0.3313, 0.5065

Triad

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



24.8646, 0.4173, 0.4877



24.8646, 0.1555, 0.2519



24.8646, 0.3658, 0.2412

Complementary

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



24.8646, 0.4173, 0.4877



3.4514, 0.1684, 0.0939

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.



24.8646, 0.2696, 0.2034



24.8646, 0.4173, 0.4877



24.8646, 0.1617, 0.2032

Square

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



24.8646, 0.4173, 0.4877



24.8646, 0.1825, 0.3414



24.8646, 0.1993, 0.1894



24.8646, 0.4569, 0.2966

Rectangle

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



24.8646, 0.4173, 0.4877



24.8646, 0.2723, 0.4764



24.8646, 0.1993, 0.1894



24.8646, 0.3322, 0.2263

Sweetspot

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



24.8658, 0.4173, 0.4877



48.2134, 0.3490, 0.3857



7.0200, 0.5718, 0.3233



10.6629, 0.3538, 0.3932



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.



24.8658, 0.4173, 0.4877



43.8139, 0.4258, 0.4980



22.6524, 0.3513, 0.5362



6.2463, 0.3260, 0.3498



20.9559, 0.4268, 0.4993



0.2083, 0.4227, 0.5025

Inverse Universe

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



3.4514, 0.1684, 0.0939



4.0607, 0.1526, 0.0658



4.6842, 0.2193, 0.1146



5.2898, 0.2990, 0.3073



1.8794, 0.1511, 0.0639



0.0239, 0.1561, 0.0820

Previews

White Background



This preview shows how the Yxy color 24.8646, 0.4173, 0.4877 looks on a white background.

Color Contrast Check

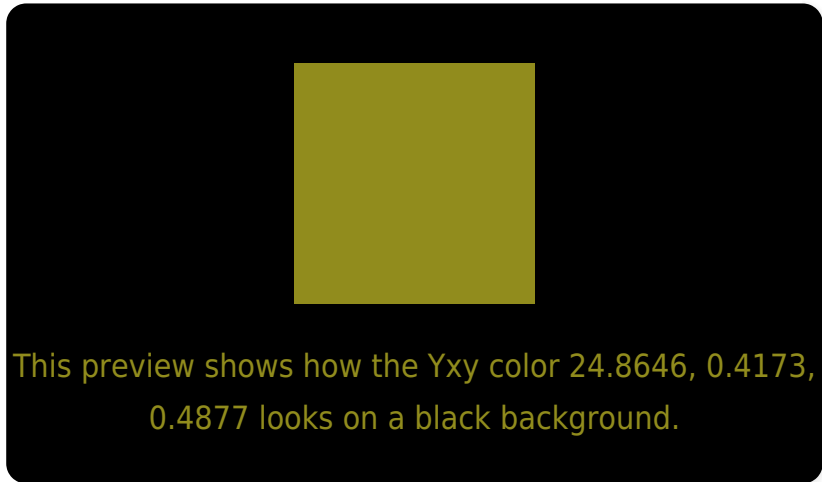
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 24.8646, 0.4173, 0.4877

Background



This preview shows how black text looks on a background with the Yxy color 24.8646, 0.4173, 0.4877.



This preview shows how white text looks on a background with the Yxy color 24.8646, 0.4173, 0.4877.

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

24.8646, 0.4173, 0.4877

Protanopia

24.8452, 0.4320, 0.4775

Deuteranopia

24.8573, 0.4582, 0.4502



Tritanopia

24.7584, 0.3286, 0.3115

Trichromacy



Original Color

24.8646, 0.4173, 0.4877

Protanomaly

24.8401, 0.4273, 0.4811

Deuteranomaly

24.8414, 0.4428, 0.4641

Tritanomaly

24.5496, 0.3704, 0.3855

Monochromacy



Original Color

24.8646, 0.4173, 0.4877

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.7163, 0.3587, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8646, 0.4173, 0.4877 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(145, 140, 29)` looks like.

```
.text, #text, p{  
    color:rgb(145, 140, 29)  
}
```

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(145, 140, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 140, 29) }
```

Border

The CSS property to change the border of an element to Yxy 24.8646, 0.4173, 0.4877 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(145, 140, 29) }
```

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

```
.border{ border-color:rgb(145, 140, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 140, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 140, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 140, 29);  
box-shadow:4px 4px 4px 4px rgb(145, 140,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8646, 0.4173, 0.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 140, 29) }
```

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

```
.background{ background-color: rgb(145,  
140, 29) }
```

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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