

Converting Colors

$Y_{xy}(23.1463, 0.4196, 0.4621)$

Have a look what the booklet for
Yxy(23.1463, 0.4196, 0.4621)
contains.

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Color

Yxy(23.2682, 0.4191, 0.4624)

Conversions

Conversions Part 1

Format	Color
Hex	94852E
RGB	148, 133, 46
RGB Percent	58%, 52%, 18%
CMY	0.4197, 0.4784, 0.8197
CMYK	0.00, 0.10, 0.69, 0.42
HSL	51°, 53%, 38%
HSV	51°, 69%, 58%
XYZ	21.0893, 23.2682, 5.9630
YIQ	127.5670, 36.8670, -23.8770

Conversions

Conversions Part 2

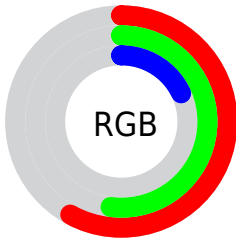
Format	Color
RYB	64, 148, 46
Decimal	9733422
CIELab	55.35, -4.83, 47.06
CIELCh	55, 47.310, 95.864
Yxy	23.2682, 0.4191, 0.4624
Android (android.graphics.Color)	4287923502 (0xFF94852E)
YUV	127.5670, -40.2125, 17.9197
Hunter-Lab	48.2371, -6.3746, 26.4367

Details

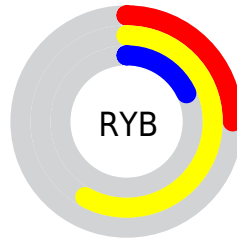
The Yxy color **23.2682, 0.4191, 0.4624** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.0494, 0.1895, 0.1409**, and the grayscale version is **21.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9600, 0.4000, 0.4362**, and **8.7203, 0.4379, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **22.5839, 0.4307, 0.4732**, and if you desaturate by 10%, it is **24.0072, 0.4054, 0.4478**.

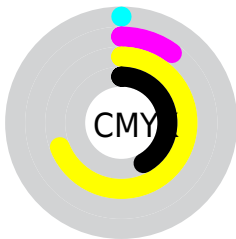
Distribution



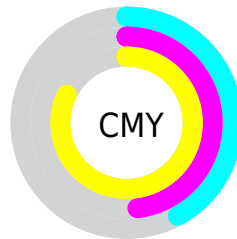
- Red (58%)
- Green (52%)
- Blue (18%)



- Red (25%)
- Yellow (58%)
- Blue (18%)



- Cyan (0%)
- Magenta (10%)
- Yellow (69%)
- Black (42%)





- Cyan (42%)
- Magenta (48%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2682, 0.4191, 0.4624 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 23.2682, 0.4191, 0.4624 by changing the saturation by 10% instead.


 23.2682, 0.4191,
0.4624

 23.2682, 0.4191,
0.4624

 269.0995, 0.3643,
0.3914


 14.7917, 0.4312,
0.4795


 48.8333, 0.3997,
0.4364

 8.6733, 0.4445,
0.4996


 66.6907, 0.3922,
0.4266


 4.5287, 0.4667,
0.5333

 88.4439, 0.3857,
0.4183

 1.9735, 0.4601,
0.5399

 114.4772, 0.3802,
0.4113

 0.5920, 0.4290,
0.5710

 145.1750, 0.3754,
0.4052

 0.0000, 0.0000,
0.0000

 180.9217, 0.3712,

0.4000

222.1018, 0.3675,
0.3954

■ 23.2682, 0.4191,
0.4624

■ 23.2682, 0.4191,
0.4624

■ 22.5839, 0.4307,
0.4732

■ 24.0072, 0.4054,
0.4478

■ 21.9465, 0.4397,
0.4798

■ 24.8015, 0.3901,
0.4301

■ 21.3476, 0.4465,
0.4828

■ 25.6554, 0.3740,
0.4104

■ 21.2839, 0.4472,
0.4831

■ 26.5720, 0.3576,
0.3895

■ 27.5542, 0.3414,
0.3682

■ 28.6046, 0.3258,
0.3472

■ 29.7255, 0.3112,
0.3269

■ 30.9194, 0.2975,
0.3076

■ 32.1883, 0.2850,
0.2896

Harmonies

Analogous

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



23.2682, 0.4680, 0.4100



23.2682, 0.4191, 0.4624



23.2682, 0.3457, 0.4829

Triad

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



23.2682, 0.4191, 0.4624



23.2682, 0.1751, 0.2747



23.2682, 0.3440, 0.2441

Complementary

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



23.2682, 0.4191, 0.4624



6.0494, 0.1895, 0.1409

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.



23.2682, 0.2626, 0.2133



23.2682, 0.4191, 0.4624



23.2682, 0.1751, 0.2239

Square

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



23.2682, 0.4191, 0.4624



23.2682, 0.2063, 0.3572



23.2682, 0.2044, 0.2052



23.2682, 0.4257, 0.2922

Rectangle

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



23.2682, 0.4191, 0.4624



23.2682, 0.2929, 0.4637



23.2682, 0.2044, 0.2052



23.2682, 0.3153, 0.2316

Sweetspot

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



23.2693, 0.4191, 0.4624



48.1947, 0.3454, 0.3735



8.5863, 0.5013, 0.3067



10.9024, 0.3494, 0.3788



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.



23.2693, 0.4191, 0.4624



39.2100, 0.4362, 0.4775



24.8308, 0.3627, 0.5061



6.6012, 0.3263, 0.3477



18.2183, 0.4470, 0.4833



0.2548, 0.4319, 0.4953

Inverse Universe

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



6.0494, 0.1895, 0.1409



6.8963, 0.1671, 0.1007



5.8699, 0.2208, 0.1326



5.7621, 0.2989, 0.3095



2.3335, 0.1541, 0.0746



0.0548, 0.1690, 0.1285

Previews

White Background



This preview shows how the Yxy color 23.2682, 0.4191, 0.4624 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 23.2682, 0.4191, 0.4624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

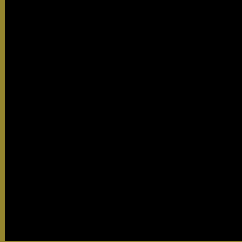
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2682, 0.4191, 0.4624

Background



This preview shows how black text looks on a background with the Yxy color 23.2682, 0.4191, 0.4624.



This preview shows how white text looks on a background with the Yxy color 23.2682, 0.4191, 0.4624.

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

23.2682, 0.4191, 0.4624

Protanopia

23.2682, 0.4191, 0.4624

Deuteranopia

23.1344, 0.4464, 0.4392



Tritanopia

23.1051, 0.3390, 0.3130

Trichromacy



Original Color

23.2682, 0.4191, 0.4624

Protanomaly

23.2682, 0.4191, 0.4624

Deuteranomaly

23.2767, 0.4364, 0.4483

Tritanomaly

22.8135, 0.3729, 0.3709

Monochromacy



Original Color

23.2682, 0.4191, 0.4624

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9980, 0.3545, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2682, 0.4191, 0.4624 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(148, 133, 46)` looks like.

```
.text, #text, p{  
    color:rgb(148, 133, 46)  
}
```

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(148, 133, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 133, 46) }
```

Border

The CSS property to change the border of an element to Yxy 23.2682, 0.4191, 0.4624 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(148, 133, 46) }
```

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

```
.border{ border-color:rgb(148, 133, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 133, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 133, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 133, 46);  
box-shadow:4px 4px 4px 4px rgb(148, 133,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2682, 0.4191, 0.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 133, 46) }
```

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

```
.background{ background-color: rgb(148,  
133, 46) }
```

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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