

Converting Colors

$Y_{xy}(23.4690, 0.4228, 0.5020)$

Have a look what the booklet for
Yxy(23.4690, 0.4228, 0.5020)
contains.

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Color

$Y_{xy}(23.4690, 0.4228, 0.5020)$

Conversions

Conversions Part 1

Format	Color
Hex	8C8901
RGB	140, 137, 1
RGB Percent	55%, 54%, 0%
CMY	0.4510, 0.4627, 0.9962
CMYK	0.00, 0.02, 0.99, 0.45
HSL	59°, 99%, 28%
HSV	59°, 99%, 55%
XYZ	19.7663, 23.4690, 3.5157
YIQ	122.3930, 45.4440, -41.6600

Conversions

Conversions Part 2

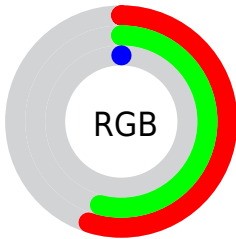
Format	Color
RYB	4, 140, 1
Decimal	9210113
CIELab	55.55, -12.18, 59.68
CIELCh	56, 60.910, 101.537
Yxy	23.4690, 0.4228, 0.5020
Android (android.graphics.Color)	4287400193 (0xFF8C8901)
YUV	122.3930, -59.8467, 15.4413
Hunter-Lab	48.4448, -11.9473, 29.6087

Details

The Yxy color **23.4690, 0.4228, 0.5020** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9858, 0.1510, 0.0626**, and the grayscale version is **19.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1269, 0.4068, 0.4701**, and **8.7948, 0.4175, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **23.4621, 0.4230, 0.5023**, and if you desaturate by 10%, it is **23.5883, 0.4193, 0.4973**.

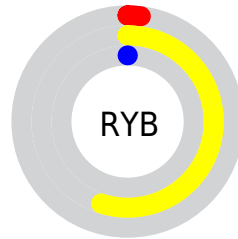
Distribution



Red (55%)

Green (54%)

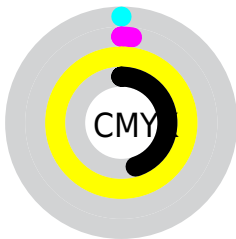
Blue (0%)



Red (2%)

Yellow (55%)

Blue (0%)

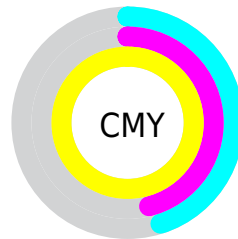


Cyan (0%)

Magenta (2%)

Yellow (99%)

Black (45%)



Cyan (45%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4690, 0.4228, 0.5020 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 23.4690, 0.4228, 0.5020 by changing the saturation by 10% instead.


 23.4690, 0.4228,
0.5020


 23.4690, 0.4228,
0.5020


270.1248, 0.3710,
0.4116


 14.9402, 0.4307,
0.5217


 49.1623, 0.4067,
0.4701

 8.7774, 0.4421,
0.5508

 67.0956, 0.3997,
0.4576

 4.5963, 0.4348,
0.5652

 88.9324, 0.3934,
0.4470

 2.0124, 0.4177,
0.5823

 115.0573, 0.3878,
0.4378

 0.6147, 0.3182,
0.6818


 145.8546, 0.3828,
0.4299


 0.0000, 0.0000,
0.0000


 181.7087, 0.3784,


0.4230


 223.0040, 0.3745,
0.4169


 23.4690, 0.4228,
0.5020


 23.4690, 0.4228,
0.5020


 23.4621, 0.4230,
0.5023

 23.5883, 0.4193,
0.4973

 23.7286, 0.4140,
0.4894

 23.9006, 0.4061,
0.4775

 24.1082, 0.3959,
0.4617

 24.3545, 0.3838,
0.4427

■ 24.6424, 0.3702,
0.4212

■ 24.9746, 0.3557,
0.3981

■ 25.3535, 0.3409,
0.3743

■ 25.7813, 0.3261,
0.3506

Harmonies

Analogous

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



23.4690, 0.4949, 0.4341



23.4690, 0.4228, 0.5020



23.4690, 0.3289, 0.5273

Triad

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



23.4690, 0.4228, 0.5020



23.4690, 0.1423, 0.2418



23.4690, 0.3722, 0.2339

Complementary

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



23.4690, 0.4228, 0.5020



1.9858, 0.1510, 0.0626

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.



23.4690, 0.2658, 0.1933



23.4690, 0.4228, 0.5020



23.4690, 0.1497, 0.1912

Square

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



23.4690, 0.4228, 0.5020



23.4690, 0.1694, 0.3398



23.4690, 0.1898, 0.1778



23.4690, 0.4735, 0.2930

Rectangle

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



23.4690, 0.4228, 0.5020



23.4690, 0.2651, 0.4943



23.4690, 0.1898, 0.1778



23.4690, 0.3348, 0.2179

Sweetspot

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



23.4701, 0.4228, 0.5020



43.9491, 0.3577, 0.4012



5.6088, 0.6335, 0.3273



10.0754, 0.3631, 0.4099



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.4701, 0.4228, 0.5020



41.3326, 0.4231, 0.5023



20.2591, 0.3430, 0.5652



5.8268, 0.3258, 0.3502



20.8508, 0.4230, 0.5023



0.1412, 0.4210, 0.5039

Inverse Universe

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



1.9858, 0.1510, 0.0626



3.4230, 0.1504, 0.0614



3.0675, 0.1990, 0.0874



4.9084, 0.2991, 0.3069



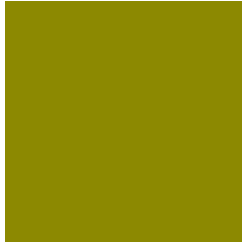
1.7445, 0.1506, 0.0620



0.0136, 0.1532, 0.0713

Previews

White Background



This preview shows how the Yxy color 23.4690, 0.4228, 0.5020 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 23.4690, 0.4228, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

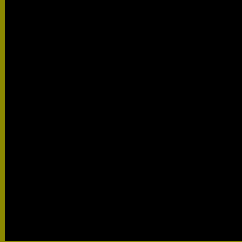
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4690, 0.4228, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 23.4690, 0.4228, 0.5020.



This preview shows how white text looks on a background with the Yxy color 23.4690, 0.4228, 0.5020.

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

23.4690, 0.4228, 0.5020

Protanopia

23.5342, 0.4390, 0.4896

Deuteranopia

23.2970, 0.4659, 0.4573



Tritanopia

23.3744, 0.3277, 0.3127

Trichromacy



Original Color

23.4690, 0.4228, 0.5020

Protanomaly

23.4389, 0.4329, 0.4945

Deuteranomaly

23.2634, 0.4510, 0.4736

Tritanomaly

23.0482, 0.3792, 0.4021

Monochromacy



Original Color

23.4690, 0.4228, 0.5020

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3959, 0.3707, 0.4196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4690, 0.4228, 0.5020 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(140, 137, 1)` looks like.

```
.text, #text, p{  
    color:rgb(140, 137, 1)  
}
```

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(140, 137, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 137, 1) }
```

Border

The CSS property to change the border of an element to Yxy 23.4690, 0.4228, 0.5020 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(140, 137, 1) }
```

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

```
.border{ border-color:rgb(140, 137, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 137, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 137, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 137, 1);  
box-shadow:4px 4px 4px 4px rgb(140, 137,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4690, 0.4228, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 137, 1) }
```

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

```
.background{ background-color: rgb(140,  
137, 1) }
```

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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