

Converting Colors

$Y_{xy}(23.8721, 0.4275, 0.4673)$

Have a look what the booklet for
Yxy(23.8721, 0.4275, 0.4673)
contains.

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Color

Yxy(23.8721, 0.4275, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	988627
RGB	152, 134, 39
RGB Percent	60%, 53%, 15%
CMY	0.4040, 0.4745, 0.8471
CMYK	0.00, 0.12, 0.74, 0.40
HSL	50°, 59%, 37%
HSV	50°, 74%, 60%
XYZ	21.8389, 23.8721, 5.3742
YIQ	128.5520, 41.2230, -25.7290

Conversions

Conversions Part 2

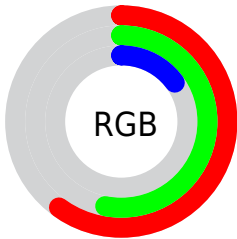
Format	Color
RYB	60, 152, 39
Decimal	9995815
CIELab	55.96, -3.93, 50.70
CIELCh	56, 50.856, 94.428
Yxy	23.8721, 0.4275, 0.4673
Android (android.graphics.Color)	4288185895 (0xFF988627)
YUV	128.5520, -44.1491, 20.5639
Hunter-Lab	48.8591, -5.7179, 27.6799

Details

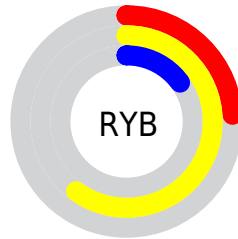
The Yxy color **23.8721, 0.4275, 0.4673** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.6205, 0.1812, 0.1279**, and the grayscale version is **21.9341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8513, 0.4070, 0.4415**, and **9.0384, 0.4413, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **23.1308, 0.4381, 0.4756**, and if you desaturate by 10%, it is **24.6713, 0.4145, 0.4548**.

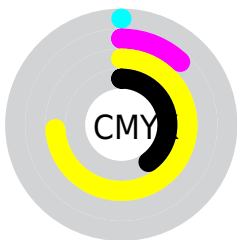
Distribution



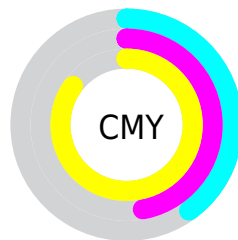
- Red (60%)
- Green (53%)
- Blue (15%)



- Red (24%)
- Yellow (60%)
- Blue (15%)



- Cyan (0%)
- Magenta (12%)
- Yellow (74%)
- Black (40%)





- Cyan (40%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8721, 0.4275, 0.4673 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 23.8721, 0.4275, 0.4673 by changing the saturation by 10% instead.


 23.8721, 0.4275,
0.4673

 23.8721, 0.4275,
0.4673


 272.1732, 0.3692,
0.3950


 15.2388, 0.4398,
0.4838


 49.8214, 0.4073,
0.4415

 8.9871, 0.4531,
0.5027


 67.9062, 0.3992,
0.4315

 4.7328, 0.4709,
0.5291

 89.9102, 0.3923,
0.4230

 2.0913, 0.4657,
0.5343

 116.2179, 0.3864,
0.4158

 0.6598, 0.4460,
0.5540

 147.2137, 0.3812,
0.4095

 0.0000, 0.0000,
0.0000

 183.2819, 0.3767,

0.4041

224.8069, 0.3727,
0.3993

■ 23.8721, 0.4275,
0.4673

■ 23.8721, 0.4275,
0.4673

■ 23.1308, 0.4381,
0.4756

■ 24.6713, 0.4145,
0.4548

■ 22.4387, 0.4460,
0.4796

■ 25.5294, 0.3996,
0.4389

■ 22.0619, 0.4500,
0.4809

■ 26.4515, 0.3835,
0.4204

■ 27.4410, 0.3669,
0.4002

■ 28.5010, 0.3504,
0.3792

■ 29.6345, 0.3343,
0.3582

■ 30.8442, 0.3191,
0.3377

■ 32.1327, 0.3048,
0.3181

■ 33.5024, 0.2917,
0.2996

Harmonies

Analogous

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



23.8721, 0.4783, 0.4099



23.8721, 0.4275, 0.4673



23.8721, 0.3505, 0.4937

Triad

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



23.8721, 0.4275, 0.4673



23.8721, 0.1684, 0.2740



23.8721, 0.3413, 0.2374

Complementary

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



23.8721, 0.4275, 0.4673



5.6205, 0.1812, 0.1279

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.



23.8721, 0.2557, 0.2062



23.8721, 0.4275, 0.4673



23.8721, 0.1672, 0.2193

Square

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



23.8721, 0.4275, 0.4673



23.8721, 0.2022, 0.3634



23.8721, 0.1962, 0.1988



23.8721, 0.4295, 0.2869

Rectangle

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



23.8721, 0.4275, 0.4673



23.8721, 0.2947, 0.4763



23.8721, 0.1962, 0.1988



23.8721, 0.3108, 0.2246

Sweetspot

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



23.8732, 0.4275, 0.4673



50.6878, 0.3472, 0.3751



8.4280, 0.5209, 0.3042



11.4119, 0.3513, 0.3803



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.8732, 0.4275, 0.4673



40.0441, 0.4435, 0.4787



26.1994, 0.3659, 0.5160



7.0554, 0.3264, 0.3476



18.5376, 0.4497, 0.4811



0.3167, 0.4344, 0.4933

Inverse Universe

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



5.6205, 0.1812, 0.1279



6.3985, 0.1614, 0.0902



5.2798, 0.2098, 0.1175



6.1773, 0.2988, 0.3097



2.4870, 0.1545, 0.0762



0.0725, 0.1701, 0.1325

Previews

White Background



This preview shows how the Yxy color 23.8721, 0.4275, 0.4673 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 23.8721, 0.4275, 0.4673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

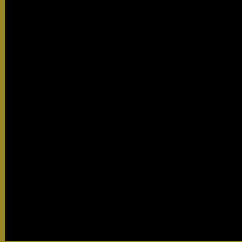
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8721, 0.4275, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 23.8721, 0.4275, 0.4673.



This preview shows how white text looks on a background with the Yxy color 23.8721, 0.4275, 0.4673.

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

23.8721, 0.4275, 0.4673

Protanopia

24.0537, 0.4251, 0.4692

Deuteranopia

23.6707, 0.4531, 0.4440



Tritanopia

23.7874, 0.3425, 0.3133

Trichromacy



Original Color

23.8721, 0.4275, 0.4673

Protanomaly

24.0537, 0.4251, 0.4692

Deuteranomaly

23.8067, 0.4430, 0.4530

Tritanomaly

23.4264, 0.3798, 0.3749

Monochromacy



Original Color

23.8721, 0.4275, 0.4673

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3955, 0.3589, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8721, 0.4275, 0.4673 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(152, 134, 39)` looks like.

```
.text, #text, p{  
    color:rgb(152, 134, 39)  
}
```

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(152, 134, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 134, 39) }
```

Border

The CSS property to change the border of an element to Yxy 23.8721, 0.4275, 0.4673 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(152, 134, 39) }
```

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

```
.border{ border-color:rgb(152, 134, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 134, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 134, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 134, 39);  
box-shadow:4px 4px 4px 4px rgb(152, 134,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8721, 0.4275, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 134, 39) }
```

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

```
.background{ background-color: rgb(152,  
134, 39) }
```

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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