

Converting Colors

$Y_{xy}(23.2557, 0.4208, 0.4842)$

Have a look what the booklet for
Yxy(23.2557, 0.4208, 0.4842)
contains.

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Color

Yxy(23.2563, 0.4206, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	8F871D
RGB	143, 135, 29
RGB Percent	56%, 53%, 11%
CMY	0.4392, 0.4706, 0.8860
CMYK	0.00, 0.06, 0.80, 0.44
HSL	56°, 66%, 34%
HSV	56°, 80%, 56%
XYZ	20.2141, 23.2563, 4.5897
YIQ	125.3080, 38.7940, -31.2700

Conversions

Conversions Part 2

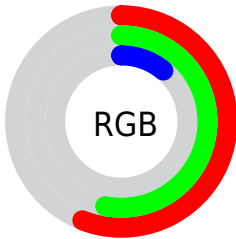
Format	Color
R_{YB}	38, 143, 29
Decimal	9406237
CIE Lab	55.34, -9.03, 53.39
CIE LCh	55, 54.145, 99.598
Yxy	23.2563, 0.4206, 0.4839
Android (android.graphics.Color)	4287596317 (0xFF8F871D)
YUV	125.3080, -47.4798, 15.5159
Hunter-Lab	48.2248, -9.5726, 28.1145

Details

The Yxy color **23.2563, 0.4206, 0.4839** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.5722, 0.1700, 0.0991**, and the grayscale version is **20.7739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8703, 0.4031, 0.4543**, and **8.7794, 0.4249, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **22.9234, 0.4271, 0.4911**, and if you desaturate by 10%, it is **23.6269, 0.4115, 0.4725**.

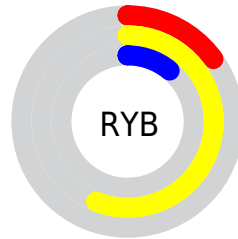
Distribution



Red (56%)

Green (53%)

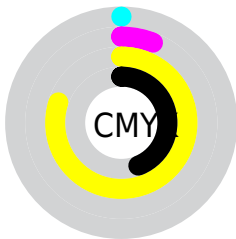
Blue (11%)



Red (15%)

Yellow (56%)

Blue (11%)

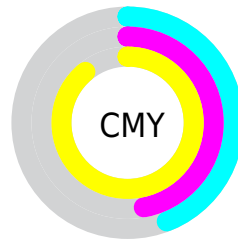


Cyan (0%)

Magenta (6%)

Yellow (80%)

Black (44%)



Cyan (44%)


Magenta (47%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2563, 0.4206, 0.4839 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 23.2563, 0.4206, 0.4839 by changing the saturation by 10% instead.


 23.2563, 0.4206,
0.4839

 23.2563, 0.4206,
0.4839


269.0387, 0.3673,
0.4019


 14.7829, 0.4307,
0.5029


 48.8138, 0.4028,
0.4543

 8.6671, 0.4416,
0.5264

 66.6667, 0.3955,
0.4430


 4.5247, 0.4485,
0.5515

 88.4149, 0.3891,
0.4334

 1.9712, 0.4358,
0.5642

 114.4427, 0.3836,
0.4252

 0.5907, 0.3660,
0.6340

 145.1346, 0.3787,
0.4181

 0.0000, 0.0000,
0.0000

 180.8750, 0.3744,

0.4120

222.0482, 0.3706,
0.4066

23.2563, 0.4206,
0.4839

23.2563, 0.4206,
0.4839

22.9234, 0.4271,
0.4911

23.6269, 0.4115,
0.4725

22.6144, 0.4317,
0.4952

24.0360, 0.4002,
0.4573

22.6045, 0.4319,
0.4953

24.4880, 0.3869,
0.4389

24.9862, 0.3724,
0.4182

25.5331, 0.3572,
0.3960

■ 26.1315, 0.3419,
0.3731

■ 26.7836, 0.3268,
0.3504

■ 27.4916, 0.3123,
0.3283

■ 28.2577, 0.2986,
0.3073

Harmonies

Analogous

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



23.2563, 0.4821, 0.4242



23.2563, 0.4206, 0.4839



23.2563, 0.3360, 0.5053

Triad

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



23.2563, 0.4206, 0.4839



23.2563, 0.1573, 0.2564



23.2563, 0.3601, 0.2396

Complementary

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



23.2563, 0.4206, 0.4839



3.5722, 0.1700, 0.0991

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.



23.2563, 0.2656, 0.2031



23.2563, 0.4206, 0.4839



23.2563, 0.1619, 0.2060

Square

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



23.2563, 0.4206, 0.4839



23.2563, 0.1860, 0.3469



23.2563, 0.1975, 0.1906



23.2563, 0.4515, 0.2939

Rectangle

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



23.2563, 0.4206, 0.4839



23.2563, 0.2773, 0.4782



23.2563, 0.1975, 0.1906



23.2563, 0.3269, 0.2251

Sweetspot

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



23.2574, 0.4206, 0.4839



46.2680, 0.3493, 0.3842



6.8651, 0.5625, 0.3184



10.5323, 0.3542, 0.3915



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.



23.2574, 0.4206, 0.4839



40.5946, 0.4307, 0.4941



22.1952, 0.3555, 0.5325



6.2215, 0.3260, 0.3493



19.9992, 0.4318, 0.4953



0.2038, 0.4250, 0.5007

Inverse Universe

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



3.5722, 0.1700, 0.0991



4.0995, 0.1533, 0.0681



4.4236, 0.2146, 0.1127



5.3120, 0.2990, 0.3079



1.9594, 0.1518, 0.0663



0.0284, 0.1598, 0.0951

Previews

White Background



This preview shows how the Yxy color 23.2563, 0.4206, 0.4839 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 23.2563, 0.4206, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

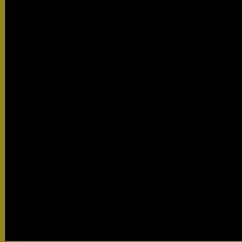
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2563, 0.4206, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 23.2563, 0.4206, 0.4839.



This preview shows how white text looks on a background with the Yxy color 23.2563, 0.4206, 0.4839.

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

23.2563, 0.4206, 0.4839

Protanopia

23.2533, 0.4304, 0.4765

Deuteranopia

23.2527, 0.4582, 0.4498



Tritanopia

23.2786, 0.3314, 0.3128

Trichromacy



Original Color

23.2563, 0.4206, 0.4839

Protanomaly

23.3419, 0.4267, 0.4794

Deuteranomaly

23.0739, 0.4448, 0.4621

Tritanomaly

22.8595, 0.3726, 0.3834

Monochromacy



Original Color

23.2563, 0.4206, 0.4839

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3442, 0.3602, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2563, 0.4206, 0.4839 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 $rgb(143, 135, 29)$ looks like.

```
.text, #text, p{  
    color:rgb(143, 135, 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(143, 135, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 135, 29) }
```

Border

The CSS property to change the border of an element to Yxy 23.2563, 0.4206, 0.4839 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(143, 135, 29) }
```

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

```
.border{ border-color:rgb(143, 135, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 135, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 135, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 135, 29);  
box-shadow:4px 4px 4px 4px rgb(143, 135,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2563, 0.4206, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 135, 29) }
```

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

```
.background{ background-color: rgb(143,  
135, 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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