

Converting Colors

$Y_{xy}(25.9610, 0.4227, 0.4644)$

Have a look what the booklet for
Yxy(25.9610, 0.4227, 0.4644)
contains.

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Color

Yxy(26.1215, 0.4225, 0.4642)

Conversions

Conversions Part 1

Format	Color
Hex	9D8C2E
RGB	157, 140, 46
RGB Percent	62%, 55%, 18%
CMY	0.3843, 0.4510, 0.8195
CMYK	0.00, 0.11, 0.71, 0.38
HSL	51°, 55%, 40%
HSV	51°, 71%, 62%
XYZ	23.7750, 26.1215, 6.3756
YIQ	134.3670, 40.3060, -25.6300

Conversions

Conversions Part 2

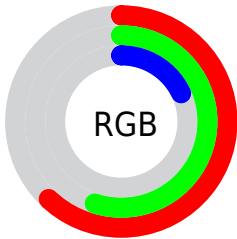
Format	Color
R _Y B	66, 157, 46
Decimal	10325038
CIE Lab	58.15, -4.58, 50.19
CIE LCh	58, 50.394, 95.218
Yxy	26.1215, 0.4225, 0.4642
Android (android.graphics.Color)	4288515118 (0xFF9D8C2E)
YUV	134.3670, -43.5649, 19.8491
Hunter-Lab	51.1092, -6.4065, 28.3803

Details

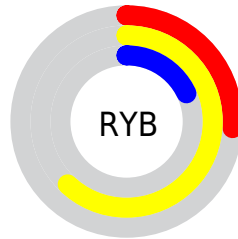
The Yxy color **26.1215, 0.4225, 0.4642** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.5712, 0.1863, 0.1362**, and the grayscale version is **24.1360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3179, 0.4031, 0.4385**, and **10.1371, 0.4403, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **25.3261, 0.4338, 0.4741**, and if you desaturate by 10%, it is **26.9800, 0.4089, 0.4503**.

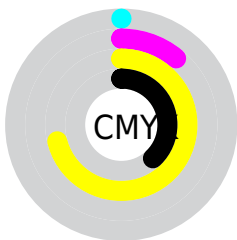
Distribution



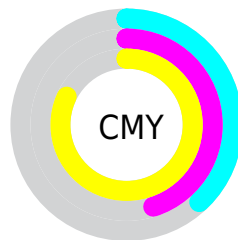
- Red (62%)
- Green (55%)
- Blue (18%)



- Red (26%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (11%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (45%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1215, 0.4225, 0.4642 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 26.1215, 0.4225, 0.4642 by changing the saturation by 10% instead.


 26.1215, 0.4225,
0.4642


 26.1215, 0.4225,
0.4642

 283.3780, 0.3672,
0.3940


 16.9146, 0.4343,
0.4804


 53.4709, 0.4033,
0.4391

 10.1736, 0.4471,
0.4992


 72.3821, 0.3957,
0.4294

 5.5142, 0.4691,
0.5309

 95.2969, 0.3892,
0.4212

 2.5520, 0.4636,
0.5364

 122.5997, 0.3836,
0.4141

 0.9026, 0.4525,
0.5475

 154.6747, 0.3787,
0.4080

 0.0000, 0.0000,
0.0000

 191.9066, 0.3744,

0.4027

234.6795, 0.3706,
0.3981

■ 26.1215, 0.4225,
0.4642

■ 26.1215, 0.4225,
0.4642

■ 25.3261, 0.4338,
0.4741

■ 26.9800, 0.4089,
0.4503

■ 24.5847, 0.4425,
0.4797

■ 27.9025, 0.3937,
0.4332

■ 23.9320, 0.4487,
0.4819

■ 28.8941, 0.3774,
0.4139

■ 29.9585, 0.3608,
0.3931

■ 31.0989, 0.3444,
0.3719

■ 32.3185, 0.3286,
0.3508

■ 33.6200, 0.3137,
0.3304

■ 35.0064, 0.2998,
0.3110

■ 36.4799, 0.2870,
0.2928

Harmonies

Analogous

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



26.1215, 0.4720, 0.4098



26.1215, 0.4225, 0.4642



26.1215, 0.3478, 0.4870

Triad

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



26.1215, 0.4225, 0.4642



26.1215, 0.1726, 0.2746



26.1215, 0.3428, 0.2414

Complementary

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



26.1215, 0.4225, 0.4642



6.5712, 0.1863, 0.1362

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.



26.1215, 0.2598, 0.2105



26.1215, 0.4225, 0.4642



26.1215, 0.1720, 0.2222

Square

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



26.1215, 0.4225, 0.4642



26.1215, 0.2048, 0.3598



26.1215, 0.2011, 0.2028



26.1215, 0.4270, 0.2900

Rectangle

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



26.1215, 0.4225, 0.4642



26.1215, 0.2938, 0.4686



26.1215, 0.2011, 0.2028



26.1215, 0.3134, 0.2288

Sweetspot

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



26.1227, 0.4225, 0.4642



55.5502, 0.3456, 0.3734



9.4990, 0.5063, 0.3040



12.1071, 0.3497, 0.3788



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.1227, 0.4225, 0.4642



44.5604, 0.4393, 0.4780



28.3016, 0.3652, 0.5092



7.5473, 0.3264, 0.3478



19.4828, 0.4485, 0.4821



0.3909, 0.4352, 0.4926

Inverse Universe

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



6.5712, 0.1863, 0.1362



7.5849, 0.1648, 0.0967



6.2293, 0.2152, 0.1261



6.5911, 0.2988, 0.3095



2.5455, 0.1542, 0.0751



0.0862, 0.1689, 0.1279

Previews

White Background



This preview shows how the Yxy color 26.1215, 0.4225, 0.4642 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 26.1215, 0.4225, 0.4642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

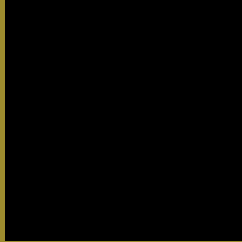
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1215, 0.4225, 0.4642

Background



This preview shows how black text looks on a background with the Yxy color 26.1215, 0.4225, 0.4642.



This preview shows how white text looks on a background with the Yxy color 26.1215, 0.4225, 0.4642.

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

26.1215, 0.4225, 0.4642

Protanopia

26.1215, 0.4225, 0.4642

Deuteranopia

26.1108, 0.4491, 0.4405



Tritanopia

26.1550, 0.3412, 0.3138

Trichromacy



Original Color

26.1215, 0.4225, 0.4642

Protanomaly

26.1215, 0.4225, 0.4642

Deuteranomaly

26.1466, 0.4384, 0.4498

Tritanomaly

25.7722, 0.3770, 0.3733

Monochromacy



Original Color

26.1215, 0.4225, 0.4642

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.3184, 0.3562, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1215, 0.4225, 0.4642 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(157, 140, 46)` looks like.

```
.text, #text, p{  
    color:rgb(157, 140, 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(157, 140, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 140, 46) }
```

Border

The CSS property to change the border of an element to Yxy 26.1215, 0.4225, 0.4642 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(157, 140, 46) }
```

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

```
.border{ border-color:rgb(157, 140, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 140, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 140, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 140, 46);  
box-shadow:4px 4px 4px 4px rgb(157, 140,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1215, 0.4225, 0.4642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 140, 46) }
```

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

```
.background{ background-color: rgb(157,  
140, 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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