

Converting Colors

$Y_{xy}(26.9022, 0.4546, 0.4431)$

Have a look what the booklet for
Yxy(26.9022, 0.4546, 0.4431)
contains.

Yxy(26.8234, 0.4551, 0.4425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.8234, 0.4551, 0.4425)$

Conversions

Conversions Part 1

Format	Color
Hex	B3862D
RGB	179, 134, 45
RGB Percent	70%, 53%, 18%
CMY	0.2981, 0.4745, 0.8235
CMYK	0.00, 0.25, 0.75, 0.30
HSL	40°, 60%, 44%
HSV	40°, 75%, 70%
XYZ	27.5872, 26.8234, 6.2073
YIQ	137.3090, 55.3890, -18.1390

Conversions

Conversions Part 2

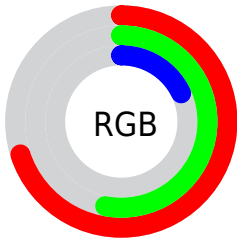
Format	Color
R _Y B	113, 179, 45
Decimal	11765293
CIE Lab	58.81, 8.59, 52.01
CIE LCh	59, 52.714, 80.621
Yxy	26.8234, 0.4551, 0.4425
Android (android.graphics.Color)	4289955373 (0xFFB3862D)
YUV	137.3090, -45.5083, 36.5630
Hunter-Lab	51.7913, 4.4451, 29.1479

Details

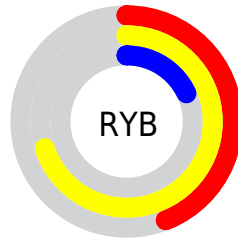
The Yxy color **26.8234, 0.4551, 0.4425** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.1233, 0.1890, 0.1633**, and the grayscale version is **25.3005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5809, 0.4288, 0.4241**, and **10.6346, 0.4825, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **25.1005, 0.4725, 0.4474**, and if you desaturate by 10%, it is **28.7018, 0.4355, 0.4331**.

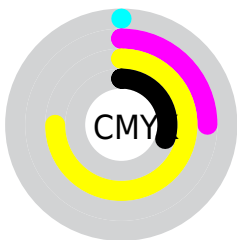
Distribution



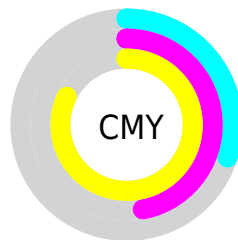
- Red (70%)
- Green (53%)
- Blue (18%)



- Red (44%)
- Yellow (70%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (75%)
- Black (30%)





- Cyan (30%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8234, 0.4551, 0.4425 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 26.8234, 0.4551, 0.4425 by changing the saturation by 10% instead.

 26.8234, 0.4551,
0.4425


 26.8234, 0.4551,
0.4425


286.8010, 0.3821,
0.3877


 17.4406, 0.4716,
0.4531


 54.6004, 0.4293,
0.4243


 10.5492, 0.4905,
0.4636


 73.7633, 0.4192,
0.4168

 5.7646, 0.5199,
0.4801

 96.9552, 0.4107,
0.4103

 2.7024, 0.5290,
0.4710

 124.5603, 0.4033,
0.4046

 0.9784, 0.5451,
0.4549

 156.9630, 0.3969,
0.3996

 0.0000, 1.0000,
0.0000

 194.5478, 0.3913,

 0.0000, 0.0000,

0.3952

0.0000

237.6990, 0.3864,
0.3912

■ 26.8234, 0.4551,
0.4425

■ 26.8234, 0.4551,
0.4425

■ 25.1005, 0.4725,
0.4474

■ 28.7018, 0.4355,
0.4331

■ 23.5195, 0.4869,
0.4474

■ 30.7398, 0.4148,
0.4201

■ 22.7515, 0.4937,
0.4462

■ 32.9459, 0.3938,
0.4047

■ 35.3266, 0.3734,
0.3879

■ 37.8881, 0.3542,
0.3706

■ 40.6357, 0.3363,
0.3534

■ 43.5750, 0.3200,
0.3368

■ 46.7110, 0.3053,
0.3210

■ 50.0483, 0.2922,
0.3063

Harmonies

Analogous

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



26.8234, 0.4866, 0.3807



26.8234, 0.4551, 0.4425



26.8234, 0.3877, 0.4873

Triad

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



26.8234, 0.4551, 0.4425



26.8234, 0.1801, 0.3118



26.8234, 0.2997, 0.2206

Complementary

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



26.8234, 0.4551, 0.4425



11.1233, 0.1890, 0.1633

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.



26.8234, 0.2248, 0.1999



26.8234, 0.4551, 0.4425



26.8234, 0.1643, 0.2401

Square

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



26.8234, 0.4551, 0.4425



26.8234, 0.2292, 0.4088



26.8234, 0.1794, 0.2047



26.8234, 0.3907, 0.2625

Rectangle

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



26.8234, 0.4551, 0.4425



26.8234, 0.3332, 0.4913



26.8234, 0.1794, 0.2047



26.8234, 0.2718, 0.2111

Sweetspot

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



26.8247, 0.4551, 0.4425



69.0561, 0.3496, 0.3663



12.2311, 0.4766, 0.2717



15.0158, 0.3545, 0.3709



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



26.8247, 0.4551, 0.4425



43.0454, 0.4825, 0.4480



39.7843, 0.3898, 0.5024



9.4164, 0.3271, 0.3441



16.2035, 0.4926, 0.4471



0.6121, 0.4675, 0.4670

Inverse Universe

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



11.1233, 0.1890, 0.1633



13.8982, 0.1703, 0.1254



6.2596, 0.1853, 0.1030



8.6809, 0.2985, 0.3135



4.6995, 0.1642, 0.1110



0.2582, 0.1807, 0.1704

Previews

White Background



This preview shows how the Yxy color 26.8234, 0.4551, 0.4425 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 26.8234, 0.4551, 0.4425 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 26.8234, 0.4551, 0.4425

Background



This preview shows how black text looks on a background with the Yxy color 26.8234, 0.4551, 0.4425.



This preview shows how white text looks on a background with the Yxy color 26.8234, 0.4551, 0.4425.

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

26.8234, 0.4551, 0.4425

Protanopia

26.9222, 0.4221, 0.4642

Deuteranopia

26.9824, 0.4528, 0.4444



Tritanopia

26.7308, 0.3737, 0.3150

Trichromacy



Original Color

26.8234, 0.4551, 0.4425

Protanomaly

26.7695, 0.4341, 0.4566

Deuteranomaly

26.9824, 0.4528, 0.4444

Tritanomaly

26.4649, 0.4105, 0.3664

Monochromacy



Original Color

26.8234, 0.4551, 0.4425

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.2832, 0.3662, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8234, 0.4551, 0.4425 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 $rgb(179, 134, 45)$ looks like.

```
.text, #text, p{  
    color:rgb(179, 134, 45)  
}
```

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(179, 134, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 134, 45) }
```

Border

The CSS property to change the border of an element to Yxy 26.8234, 0.4551, 0.4425 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(179, 134, 45) }
```

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

```
.border{ border-color:rgb(179, 134, 45) }
```

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

Here you see how a box with a 4 pixel rgb(179, 134, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 134, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 134, 45);  
box-shadow:4px 4px 4px 4px rgb(179, 134,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8234, 0.4551, 0.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 134, 45) }
```

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

```
.background{ background-color: rgb(179,  
134, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor