

Converting Colors

$Y_{xy}(26.0664, 0.4644, 0.4507)$

Have a look what the booklet for
Yxy(26.0664, 0.4644, 0.4507)
contains.

Yxy(26.0664, 0.4644, 0.4507)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.0664, 0.4644, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	B2841F
RGB	178, 132, 31
RGB Percent	70%, 52%, 12%
CMY	0.3020, 0.4823, 0.8785
CMYK	0.00, 0.26, 0.83, 0.30
HSL	41°, 70%, 41%
HSV	41°, 83%, 70%
XYZ	26.8587, 26.0664, 4.9102
YIQ	134.2400, 59.8370, -21.6590

Conversions

Conversions Part 2

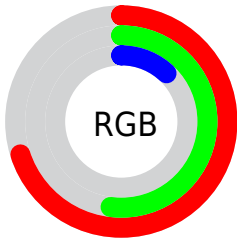
Format	Color
R_{YB}	98, 178, 31
Decimal	11699231
CIE _{Lab}	58.10, 8.71, 56.57
CIE _{LCh}	58, 57.237, 81.244
Yxy	26.0664, 0.4644, 0.4507
Android (android.graphics.Color)	4289889311 (0xFFB2841F)
YUV	134.2400, -50.8973, 38.3775
Hunter-Lab	51.0553, 4.5571, 30.0365

Details

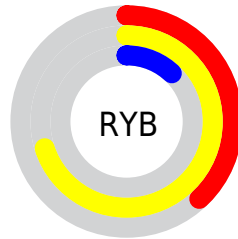
The Yxy color **26.0664, 0.4644, 0.4507** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.8096, 0.1778, 0.1392**, and the grayscale version is **24.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5309, 0.4380, 0.4322**, and **10.2515, 0.4851, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **24.5280, 0.4785, 0.4523**, and if you desaturate by 10%, it is **27.7398, 0.4474, 0.4443**.

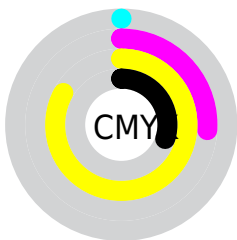
Distribution



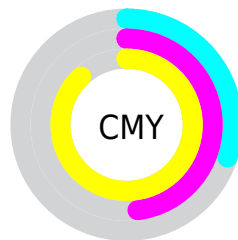
- Red (70%)
- Green (52%)
- Blue (12%)



- Red (38%)
- Yellow (70%)
- Blue (12%)



- Cyan (0%)
- Magenta (26%)
- Yellow (83%)
- Black (30%)



- Cyan (30%)
- Magenta (48%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.0664, 0.4644, 0.4507 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 26.0664, 0.4644, 0.4507 by changing the saturation by 10% instead.

 26.0664, 0.4644,
0.4507


 26.0664, 0.4644,
0.4507


283.1079, 0.3876,
0.3931


 16.8733, 0.4808,
0.4609


 53.3820, 0.4378,
0.4322

 10.1442, 0.4996,
0.4708


 72.2734, 0.4273,
0.4243


 5.4947, 0.5209,
0.4791

 95.1663, 0.4182,
0.4174

 2.5403, 0.5305,
0.4695

 122.4452, 0.4104,
0.4113

 0.8968, 0.5476,
0.4524

 154.4943, 0.4036,
0.4060

 0.0000, 1.0000,
0.0000

 191.6983, 0.3976,

 0.0000, 0.0000,

0.4012

0.0000

234.4413, 0.3923,
0.3969

■ 26.0664, 0.4644,
0.4507

■ 26.0664, 0.4644,
0.4507

■ 24.5280, 0.4785,
0.4523

■ 27.7398, 0.4474,
0.4443

■ 23.4612, 0.4876,
0.4511

■ 29.5530, 0.4284,
0.4335

■ 31.5148, 0.4084,
0.4195

■ 33.6317, 0.3881,
0.4032

■ 35.9099, 0.3684,
0.3858

■ 38.3549, 0.3497,
0.3679

■ 40.9719, 0.3324,
0.3502

■ 43.7659, 0.3166,
0.3333

■ 46.7414, 0.3023,
0.3172

Harmonies

Analogous

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



26.0664, 0.5015, 0.3835



26.0664, 0.4644, 0.4507



26.0664, 0.3901, 0.5020

Triad

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



26.0664, 0.4644, 0.4507



26.0664, 0.1685, 0.3068



26.0664, 0.2998, 0.2131

Complementary

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



26.0664, 0.4644, 0.4507



8.8096, 0.1778, 0.1392

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.



26.0664, 0.2187, 0.1905



26.0664, 0.4644, 0.4507



26.0664, 0.1532, 0.2304

Square

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



26.0664, 0.4644, 0.4507



26.0664, 0.2197, 0.4148



26.0664, 0.1700, 0.1944



26.0664, 0.3998, 0.2579

Rectangle

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



26.0664, 0.4644, 0.4507



26.0664, 0.3310, 0.5078



26.0664, 0.1700, 0.1944



26.0664, 0.2695, 0.2028

Sweetspot

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



26.0677, 0.4644, 0.4507



68.2644, 0.3549, 0.3729



10.9874, 0.5133, 0.2791



14.7817, 0.3614, 0.3792



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.



26.0677, 0.4644, 0.4507



42.3726, 0.4878, 0.4503



38.5240, 0.3876, 0.5159



9.4492, 0.3271, 0.3446



16.9026, 0.4866, 0.4518



0.6304, 0.4637, 0.4700

Inverse Universe

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



8.8096, 0.1778, 0.1392



10.7673, 0.1619, 0.1022



5.0907, 0.1773, 0.0879



8.6496, 0.2985, 0.3129



4.4029, 0.1626, 0.1053



0.2455, 0.1790, 0.1643

Previews

White Background



This preview shows how the Yxy color 26.0664, 0.4644, 0.4507 looks on a white background.

Color Contrast Check

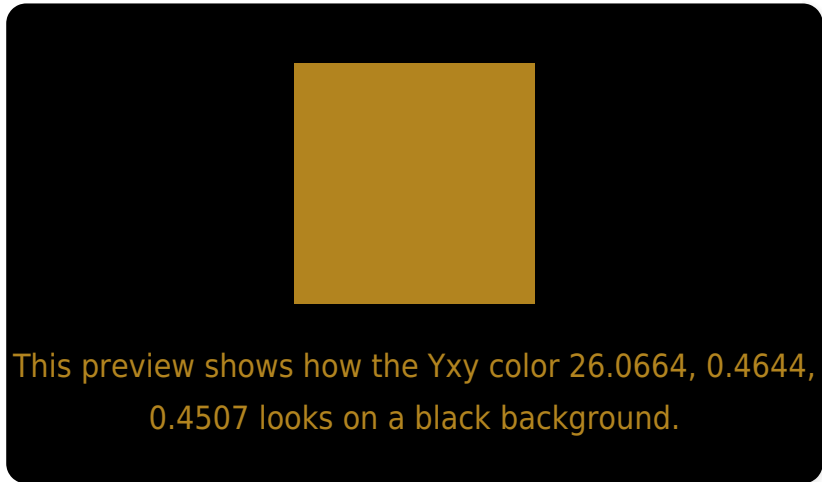
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 26.0664, 0.4644, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 26.0664, 0.4644, 0.4507.



This preview shows how white text looks on a background with the Yxy color 26.0664, 0.4644, 0.4507.

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

26.0664, 0.4644, 0.4507

Protanopia

26.0341, 0.4298, 0.4750

Deuteranopia

26.1041, 0.4609, 0.4534



Tritanopia

26.0222, 0.3771, 0.3164

Trichromacy



Original Color

26.0664, 0.4644, 0.4507

Protanomaly

25.9949, 0.4431, 0.4659

Deuteranomaly

26.2211, 0.4620, 0.4526

Tritanomaly

25.6930, 0.4190, 0.3736

Monochromacy



Original Color

26.0664, 0.4644, 0.4507

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.1222, 0.3730, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0664, 0.4644, 0.4507 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(178, 132, 31)` looks like.

```
.text, #text, p{  
    color:rgb(178, 132, 31)  
}
```

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(178, 132, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 132, 31) }
```

Border

The CSS property to change the border of an element to Yxy 26.0664, 0.4644, 0.4507 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(178, 132, 31) }
```

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

```
.border{ border-color:rgb(178, 132, 31) }
```

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

Here you see how a box with a 4 pixel rgb(178, 132, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 132, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 132, 31);  
box-shadow:4px 4px 4px 4px rgb(178, 132,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0664, 0.4644, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 132, 31) }
```

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

```
.background{ background-color: rgb(178,  
132, 31) }
```

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