

Converting Colors

$Y_{xy}(26.8013, 0.3783, 0.4472)$

Have a look what the booklet for
Yxy(26.8013, 0.3783, 0.4472)
contains.

| | |
|---|----|
| Yxy(26.8030, 0.3783, 0.4472) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(26.8030, 0.3783, 0.4472)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8E924A |
| RGB | 142, 146, 74 |
| RGB Percent | 56%, 57%, 29% |
| CMY | 0.4430, 0.4275, 0.7098 |
| CMYK | 0.03, 0.00, 0.49, 0.43 |
| HSL | 63°, 33%, 43% |
| HSV | 63°, 49%, 57% |
| XYZ | 22.6735, 26.8030, 10.4587 |
| YIQ | 136.5960, 20.7280, -23.2400 |

Conversions

Conversions Part 2

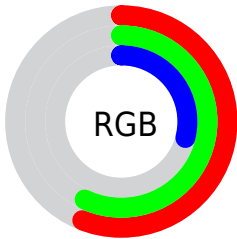
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 74, 146, 78 |
| Decimal | 9343562 |
| CIELab | 58.79, -12.28, 37.36 |
| CIELCh | 59, 39.323, 108.198 |
| Yxy | 26.8030, 0.3783, 0.4472 |
| Android (android.graphics.Color) | 4287533642 (0xFF8E924A) |
| YUV | 136.5960, -30.8598, 4.7393 |
| Hunter-Lab | 51.7716, -12.4259, 24.2626 |

Details

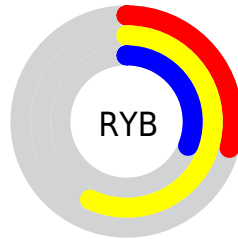
The Yxy color $26.8030, 0.3783, 0.4472$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $8.5934, 0.2262, 0.1803$, and the grayscale version is $24.9707, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.6595, 0.3659, 0.4221$, and $10.6140, 0.3943, 0.4875$ is the 20% darker color. If you saturate the color by 10%, you get $26.5587, 0.3890, 0.4675$, and if you desaturate by 10%, it is $27.0960, 0.3661, 0.4245$.

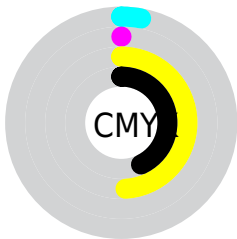
Distribution



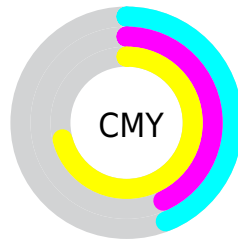
- Red (56%)
- Green (57%)
- Blue (29%)



- Red (29%)
- Yellow (57%)
- Blue (31%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (43%)




- Cyan (44%)
- Magenta (43%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8030, 0.3783, 0.4472 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 26.8030, 0.3783, 0.4472 by changing the saturation by 10% instead.


 26.8030, 0.3783,
0.4472


 26.8030, 0.3783,
0.4472


286.7020, 0.3449,
0.3824


 17.4253, 0.3860,
0.4648


 54.5676, 0.3664,
0.4224


 10.5382, 0.3949,
0.4877


 73.7233, 0.3618,
0.4135

 5.7572, 0.4044,
0.5183

 96.9071, 0.3579,
0.4060

 2.6980, 0.4238,
0.5762

 124.5035, 0.3546,
0.3998

 0.9762, 0.3904,
0.6096

 156.8967, 0.3516,
0.3945

 0.0000, 0.0000,
0.0000

194.4713, 0.3491,

0.3899

237.6116, 0.3469,
0.3859

■ 26.8030, 0.3783,
0.4472

■ 26.8030, 0.3783,
0.4472

■ 26.5587, 0.3890,
0.4675

■ 27.0960, 0.3661,
0.4245

■ 26.3561, 0.3977,
0.4845

■ 27.4368, 0.3528,
0.4004

■ 26.1929, 0.4040,
0.4976

■ 27.8294, 0.3391,
0.3757

■ 26.0648, 0.4078,
0.5066

■ 28.2762, 0.3253,
0.3512

■ 25.9617, 0.4098,
0.5124

■ 28.7796, 0.3118,
0.3274

■ 25.9548, 0.4099,
0.5127

■ 29.3416, 0.2989,
0.3048

■ 29.9644, 0.2868,
0.2837

■ 30.6499, 0.2755,
0.2642

■ 31.4000, 0.2651,
0.2463

Harmonies

Analogous

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



26.8030, 0.4265, 0.4168



26.8030, 0.3783, 0.4472



26.8030, 0.3153, 0.4416

Triad

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



26.8030, 0.3783, 0.4472



26.8030, 0.1965, 0.2667



26.8030, 0.3664, 0.2748

Complementary

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



26.8030, 0.3783, 0.4472



8.5934, 0.2262, 0.1803

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.



26.8030, 0.2987, 0.2421



26.8030, 0.3783, 0.4472



26.8030, 0.2066, 0.2345

Square

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



26.8030, 0.3783, 0.4472



26.8030, 0.2128, 0.3239



26.8030, 0.2417, 0.2273



26.8030, 0.4223, 0.3198

Rectangle

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



26.8030, 0.3783, 0.4472



26.8030, 0.2736, 0.4129



26.8030, 0.2417, 0.2273



26.8030, 0.3439, 0.2622

Sweetspot

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



26.8042, 0.3783, 0.4472



49.4003, 0.3335, 0.3658



11.9989, 0.4416, 0.3356



10.9576, 0.3361, 0.3704



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.



26.8042, 0.3783, 0.4472



46.8199, 0.3898, 0.4691



24.1404, 0.3375, 0.4654



6.7285, 0.3251, 0.3509



22.8446, 0.4100, 0.5127



0.2836, 0.4150, 0.5087

Inverse Universe

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



8.5934, 0.2262, 0.1803



10.8828, 0.2043, 0.1440



10.5252, 0.2715, 0.1967



5.6473, 0.2997, 0.3062



1.8754, 0.1524, 0.0613



0.0260, 0.1641, 0.0678

Previews

White Background



This preview shows how the Yxy color 26.8030, 0.3783, 0.4472 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 26.8030, 0.3783, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

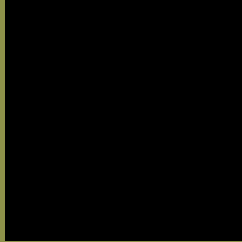
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8030, 0.3783, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 26.8030, 0.3783, 0.4472.



This preview shows how white text looks on a background with the Yxy color 26.8030, 0.3783, 0.4472.

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

26.8030, 0.3783, 0.4472

Protanopia

26.5856, 0.4003, 0.4361

Deuteranopia

26.7480, 0.4208, 0.4132



Tritanopia

26.8309, 0.3146, 0.3116

Trichromacy



Original Color

26.8030, 0.3783, 0.4472

Protanomaly

26.7053, 0.3919, 0.4400

Deuteranomaly

26.6684, 0.4054, 0.4250

Tritanomaly

26.6579, 0.3389, 0.3604

Monochromacy



Original Color

26.8030, 0.3783, 0.4472

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.4600, 0.3385, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8030, 0.3783, 0.4472 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(142, 146, 74)` looks like.

```
.text, #text, p{  
    color:rgb(142, 146, 74)  
}
```

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(142, 146, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 146, 74) }
```

Border

The CSS property to change the border of an element to Yxy 26.8030, 0.3783, 0.4472 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(142, 146, 74) }
```

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

```
.border{ border-color:rgb(142, 146, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 146, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 146, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 146, 74);  
box-shadow:4px 4px 4px 4px rgb(142, 146,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8030, 0.3783, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 146, 74) }
```

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

```
.background{ background-color: rgb(142,  
146, 74) }
```

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