

Converting Colors

$Y_{xy}(24.9612, 0.4682, 0.4420)$

Have a look what the booklet for
Yxy(24.9612, 0.4682, 0.4420)
contains.

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Color

Yxy(25.0307, 0.4669, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	B28024
RGB	178, 128, 36
RGB Percent	70%, 50%, 14%
CMY	0.3019, 0.4980, 0.8587
CMYK	0.00, 0.28, 0.80, 0.30
HSL	39°, 66%, 42%
HSV	39°, 80%, 70%
XYZ	26.3990, 25.0307, 5.1113
YIQ	132.4620, 59.3320, -18.0120

Conversions

Conversions Part 2

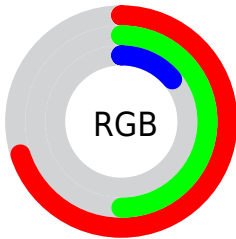
Format	Color
RYB	113, 178, 36
Decimal	11698212
CIELab	57.11, 11.12, 53.90
CIELCh	57, 55.031, 78.345
Yxy	25.0307, 0.4669, 0.4427
Android (android.graphics.Color)	4289888292 (0xFFB28024)
YUV	132.4620, -47.5558, 39.9368
Hunter-Lab	50.0307, 6.6329, 28.9642

Details

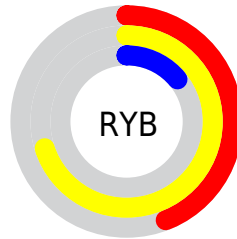
The Yxy color **25.0307, 0.4669, 0.4427** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.2512, 0.1838, 0.1558**, and the grayscale version is **23.4114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9295, 0.4392, 0.4260**, and **9.6569, 0.4936, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **23.3635, 0.4836, 0.4449**, and if you desaturate by 10%, it is **26.8556, 0.4475, 0.4357**.

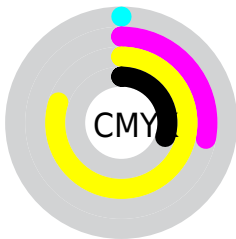
Distribution



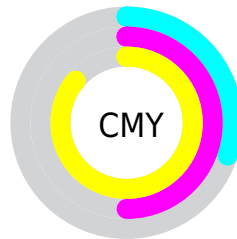
- Red (70%)
- Green (50%)
- Blue (14%)



- Red (44%)
- Yellow (70%)
- Blue (14%)



- Cyan (0%)
- Magenta (28%)
- Yellow (80%)
- Black (30%)




- Cyan (30%)
- Magenta (50%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0307, 0.4669, 0.4427 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 25.0307, 0.4669, 0.4427 by changing the saturation by 10% instead.


 25.0307, 0.4669,
0.4427


 25.0307, 0.4669,
0.4427


277.9908, 0.3874,
0.3889


 16.0999, 0.4846,
0.4521


 51.7070, 0.4389,
0.4254

 9.5949, 0.5052,
0.4610


 70.2214, 0.4279,
0.4181


 5.1312, 0.5308,
0.4692

 92.6990, 0.4186,
0.4116

 2.3244, 0.5435,
0.4565

 119.5244, 0.4106,
0.4059

 0.7866, 0.5674,
0.4326

 151.0818, 0.4036,
0.4009

 0.0000, 0.0000,
0.0000

 187.7558, 0.3975,

0.3964

229.9307, 0.3922,
0.3924

■ 25.0307, 0.4669,
0.4427

■ 25.0307, 0.4669,
0.4427

■ 23.3635, 0.4836,
0.4449

■ 26.8556, 0.4475,
0.4357

■ 21.8339, 0.4978,
0.4428

■ 28.8432, 0.4266,
0.4246

■ 21.7983, 0.4981,
0.4427

■ 31.0024, 0.4051,
0.4106

■ 33.3404, 0.3839,
0.3947

■ 35.8634, 0.3638,
0.3779

■ 38.5774, 0.3450,
0.3610

■ 41.4880, 0.3279,
0.3444

■ 44.6005, 0.3124,
0.3286

■ 47.9199, 0.2985,
0.3138

Harmonies

Analogous

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



25.0307, 0.4978, 0.3767



25.0307, 0.4669, 0.4427



25.0307, 0.3970, 0.4948

Triad

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



25.0307, 0.4669, 0.4427



25.0307, 0.1750, 0.3171



25.0307, 0.2914, 0.2122

Complementary

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



25.0307, 0.4669, 0.4427



10.2512, 0.1838, 0.1558

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.



25.0307, 0.2147, 0.1924



25.0307, 0.4669, 0.4427



25.0307, 0.1564, 0.2383

Square

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



25.0307, 0.4669, 0.4427



25.0307, 0.2288, 0.4225



25.0307, 0.1699, 0.1992



25.0307, 0.3884, 0.2545

Rectangle

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



25.0307, 0.4669, 0.4427



25.0307, 0.3397, 0.5042



25.0307, 0.1699, 0.1992



25.0307, 0.2626, 0.2029

Sweetspot

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



25.0320, 0.4669, 0.4427



67.6179, 0.3536, 0.3688



11.4352, 0.4878, 0.2687



14.5999, 0.3603, 0.3748



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.



25.0320, 0.4669, 0.4427



40.1610, 0.4946, 0.4430



39.3489, 0.3939, 0.5073



9.3929, 0.3272, 0.3437



15.7175, 0.4970, 0.4436



0.5992, 0.4703, 0.4648

Inverse Universe

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



10.2512, 0.1838, 0.1558



12.8259, 0.1668, 0.1178



5.2893, 0.1762, 0.0910



8.7036, 0.2985, 0.3138



4.9277, 0.1654, 0.1154



0.2673, 0.1819, 0.1746

Previews

White Background



This preview shows how the Yxy color 25.0307, 0.4669, 0.4427 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 25.0307, 0.4669, 0.4427 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 25.0307, 0.4669, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 25.0307, 0.4669, 0.4427.



This preview shows how white text looks on a background with the Yxy color 25.0307, 0.4669, 0.4427.

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

25.0307, 0.4669, 0.4427

Protanopia

25.1935, 0.4254, 0.4704

Deuteranopia

24.9708, 0.4594, 0.4495



Tritanopia

24.9425, 0.3838, 0.3164

Trichromacy



Original Color

25.0307, 0.4669, 0.4427

Protanomaly

24.9767, 0.4412, 0.4596

Deuteranomaly

24.9358, 0.4629, 0.4468

Tritanomaly

24.6904, 0.4220, 0.3679

Monochromacy



Original Color

25.0307, 0.4669, 0.4427

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.4852, 0.3728, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0307, 0.4669, 0.4427 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, 128, 36)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 36)  
}
```

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, 128, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 36) }
```

Border

The CSS property to change the border of an element to Yxy 25.0307, 0.4669, 0.4427 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, 128, 36) }
```

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

```
.border{ border-color:rgb(178, 128, 36) }
```

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

Here you see how a box with a 4 pixel rgb(178, 128, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 36);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0307, 0.4669, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 36) }
```

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

```
.background{ background-color: rgb(178,  
128, 36) }
```

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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