

Converting Colors

$Y_{xy}(24.7582, 0.4583, 0.4443)$

Have a look what the booklet for
Yxy(24.7582, 0.4583, 0.4443)
contains.

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Color

Yxy(24.7380, 0.4577, 0.4446)

Conversions

Conversions Part 1

Format	Color
Hex	AD8128
RGB	173, 129, 40
RGB Percent	68%, 51%, 16%
CMY	0.3216, 0.4941, 0.8433
CMYK	0.00, 0.25, 0.77, 0.32
HSL	40°, 62%, 42%
HSV	40°, 77%, 68%
XYZ	25.4669, 24.7380, 5.4361
YIQ	132.0100, 54.7930, -18.3510

Conversions

Conversions Part 2

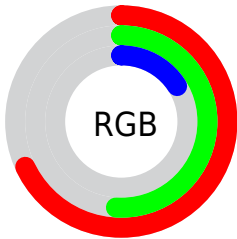
Format	Color
R _Y B	106, 173, 40
Decimal	11370792
CIE Lab	56.82, 8.47, 51.91
CIE LCh	57, 52.592, 80.737
Yxy	24.7380, 0.4577, 0.4446
Android (android.graphics.Color)	4289560872 (0xFFAD8128)
YUV	132.0100, -45.3609, 35.9482
Hunter-Lab	49.7373, 4.3567, 28.3359

Details

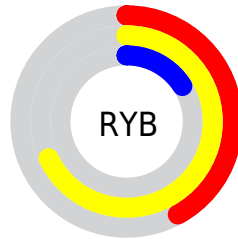
The Yxy color **24.7380, 0.4577, 0.4446** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.8015, 0.1862, 0.1576**, and the grayscale version is **23.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3844, 0.4306, 0.4260**, and **9.4503, 0.4838, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **23.1814, 0.4743, 0.4487**, and if you desaturate by 10%, it is **26.4341, 0.4387, 0.4359**.

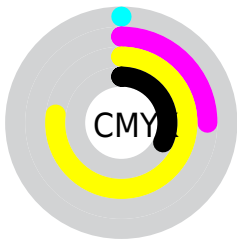
Distribution



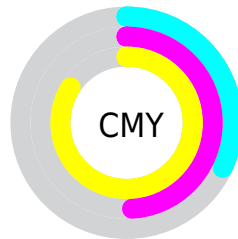
- Red (68%)
- Green (51%)
- Blue (16%)



- Red (42%)
- Yellow (68%)
- Blue (16%)



- Cyan (0%)
- Magenta (25%)
- Yellow (77%)
- Black (32%)





- Cyan (32%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7380, 0.4577, 0.4446 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 24.7380, 0.4577, 0.4446 by changing the saturation by 10% instead.


 24.7380, 0.4577,
0.4446


 24.7380, 0.4577,
0.4446


276.5306, 0.3826,
0.3884

 15.8820, 0.4747,
0.4553


 51.2319, 0.4311,
0.4259

 9.4407, 0.4941,
0.4659


 69.6385, 0.4207,
0.4182


 5.0297, 0.5209,
0.4791


 91.9974, 0.4119,
0.4115

 2.2647, 0.5308,
0.4692

 118.6931, 0.4044,
0.4057

 0.7549, 0.5511,
0.4489

 150.1098, 0.3978,
0.4005

 0.0000, 0.0000,
0.0000

 186.6321, 0.3921,

0.3960

228.6442, 0.3871,
0.3919

■ 24.7380, 0.4577,
0.4446

■ 24.7380, 0.4577,
0.4446

■ 23.1814, 0.4743,
0.4487

■ 26.4341, 0.4387,
0.4359

■ 21.7503, 0.4880,
0.4480

■ 28.2737, 0.4183,
0.4235

■ 21.3271, 0.4921,
0.4475

■ 30.2646, 0.3976,
0.4084

■ 32.4129, 0.3772,
0.3917

■ 34.7241, 0.3578,
0.3743

■ 37.2035, 0.3397,
0.3570

■ 39.8559, 0.3232,
0.3402

■ 42.6859, 0.3082,
0.3241

■ 45.6980, 0.2948,
0.3091

Harmonies

Analogous

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



24.7380, 0.4905, 0.3814



24.7380, 0.4577, 0.4446



24.7380, 0.3885, 0.4911

Triad

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



24.7380, 0.4577, 0.4446



24.7380, 0.1771, 0.3107



24.7380, 0.2995, 0.2186

Complementary

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



24.7380, 0.4577, 0.4446



9.8015, 0.1862, 0.1576

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.



24.7380, 0.2231, 0.1974



24.7380, 0.4577, 0.4446



24.7380, 0.1614, 0.2376

Square

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



24.7380, 0.4577, 0.4446



24.7380, 0.2269, 0.4106



24.7380, 0.1769, 0.2020



24.7380, 0.3929, 0.2612

Rectangle

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



24.7380, 0.4577, 0.4446



24.7380, 0.3328, 0.4956



24.7380, 0.1769, 0.2020



24.7380, 0.2711, 0.2089

Sweetspot

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



24.7392, 0.4577, 0.4446



63.7067, 0.3513, 0.3682



11.0443, 0.4877, 0.2748



13.5143, 0.3578, 0.3743



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.7392, 0.4577, 0.4446



39.7742, 0.4838, 0.4487



36.6043, 0.3883, 0.5066



8.8770, 0.3270, 0.3441



15.7751, 0.4911, 0.4482



0.5335, 0.4646, 0.4693

Inverse Universe

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



9.8015, 0.1862, 0.1576



12.2233, 0.1684, 0.1203



5.5604, 0.1841, 0.0994



8.1738, 0.2986, 0.3134



4.4768, 0.1639, 0.1100



0.2264, 0.1816, 0.1739

Previews

White Background



This preview shows how the Yxy color 24.7380, 0.4577, 0.4446 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 24.7380, 0.4577, 0.4446 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 24.7380, 0.4577, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 24.7380, 0.4577, 0.4446.



This preview shows how white text looks on a background with the Yxy color 24.7380, 0.4577, 0.4446.

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

24.7380, 0.4577, 0.4446

Protanopia

24.8308, 0.4235, 0.4674

Deuteranopia

24.7764, 0.4542, 0.4472



Tritanopia

24.8702, 0.3743, 0.3160

Trichromacy



Original Color

24.7380, 0.4577, 0.4446

Protanomaly

24.6839, 0.4359, 0.4594

Deuteranomaly

24.8891, 0.4553, 0.4465

Tritanomaly

24.6255, 0.4120, 0.3690

Monochromacy



Original Color

24.7380, 0.4577, 0.4446

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3365, 0.3680, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7380, 0.4577, 0.4446 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(173, 129, 40)` looks like.

```
.text, #text, p{  
    color:rgb(173, 129, 40)  
}
```

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(173, 129, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 129, 40) }
```

Border

The CSS property to change the border of an element to Yxy 24.7380, 0.4577, 0.4446 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(173, 129, 40) }
```

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

```
.border{ border-color:rgb(173, 129, 40) }
```

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

Here you see how a box with a 4 pixel rgb(173, 129, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 129, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 129, 40);  
box-shadow:4px 4px 4px 4px rgb(173, 129,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7380, 0.4577, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 129, 40) }
```

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

```
.background{ background-color: rgb(173,  
129, 40) }
```

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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