

Converting Colors

$Y_{xy}(23.5824, 0.4570, 0.4421)$

Have a look what the booklet for
Yxy(23.5824, 0.4570, 0.4421)
contains.

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Color

Yxy(23.6279, 0.4573, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	AA7E29
RGB	170, 126, 41
RGB Percent	67%, 49%, 16%
CMY	0.3334, 0.5058, 0.8392
CMYK	0.00, 0.26, 0.76, 0.33
HSL	40°, 61%, 41%
HSV	40°, 76%, 67%
XYZ	24.4347, 23.6279, 5.3700
YIQ	129.4660, 53.5090, -17.1070

Conversions

Conversions Part 2

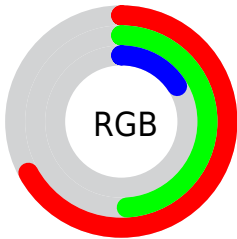
Format	Color
R _Y B	108, 170, 41
Decimal	11173417
CIE Lab	55.71, 8.82, 50.30
CIE LCh	56, 51.066, 80.057
Yxy	23.6279, 0.4573, 0.4422
Android (android.graphics.Color)	4289363497 (0xFFAA7E29)
YUV	129.4660, -43.6137, 35.5483
Hunter-Lab	48.6085, 4.6641, 27.4760

Details

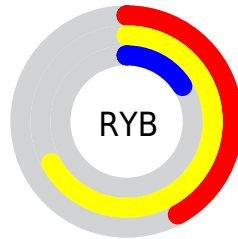
The Yxy color **23.6279, 0.4573, 0.4422** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.8627, 0.1883, 0.1628**, and the grayscale version is **22.2675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2715, 0.4309, 0.4232**, and **8.8185, 0.4857, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **22.0957, 0.4747, 0.4467**, and if you desaturate by 10%, it is **25.2995, 0.4377, 0.4332**.

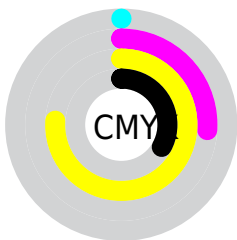
Distribution



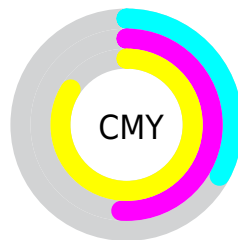
- Red (67%)
- Green (49%)
- Blue (16%)



- Red (42%)
- Yellow (67%)
- Blue (16%)



- Cyan (0%)
- Magenta (26%)
- Yellow (76%)
- Black (33%)




- Cyan (33%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6279, 0.4573, 0.4422 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 23.6279, 0.4573, 0.4422 by changing the saturation by 10% instead.


 23.6279, 0.4573,
0.4422


 23.6279, 0.4573,
0.4422


270.9338, 0.3816,
0.3866


 15.0578, 0.4748,
0.4529


 49.4223, 0.4302,
0.4236


 8.8600, 0.4951,
0.4637


 67.4154, 0.4197,
0.4160

 4.6500, 0.5232,
0.4768

 89.3183, 0.4109,
0.4094

 2.0434, 0.5341,
0.4659

 115.5155, 0.4033,
0.4036

 0.6325, 0.5635,
0.4365

 146.3912, 0.3967,
0.3985

 0.0000, 0.0000,
0.0000

 182.3299, 0.3910,

0.3941

223.7160, 0.3860,
0.3901

■ 23.6279, 0.4573,
0.4422

■ 23.6279, 0.4573,
0.4422

■ 22.0957, 0.4747,
0.4467

■ 25.2995, 0.4377,
0.4332

■ 20.6903, 0.4891,
0.4462

■ 27.1142, 0.4169,
0.4206

■ 20.1412, 0.4947,
0.4454

■ 29.0796, 0.3959,
0.4055

■ 31.2017, 0.3754,
0.3890

■ 33.4859, 0.3560,
0.3719

■ 35.9371, 0.3380,
0.3548

■ 38.5601, 0.3216,
0.3383

■ 41.3595, 0.3068,
0.3227

■ 44.3396, 0.2936,
0.3080

Harmonies

Analogous

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



23.6279, 0.4884, 0.3797



23.6279, 0.4573, 0.4422



23.6279, 0.3897, 0.4884

Triad

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



23.6279, 0.4573, 0.4422



23.6279, 0.1795, 0.3132



23.6279, 0.2978, 0.2191

Complementary

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



23.6279, 0.4573, 0.4422



9.8627, 0.1883, 0.1628

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.



23.6279, 0.2228, 0.1987



23.6279, 0.4573, 0.4422



23.6279, 0.1631, 0.2401

Square

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



23.6279, 0.4573, 0.4422



23.6279, 0.2296, 0.4115



23.6279, 0.1777, 0.2040



23.6279, 0.3898, 0.2609

Rectangle

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



23.6279, 0.4573, 0.4422



23.6279, 0.3347, 0.4934



23.6279, 0.1777, 0.2040



23.6279, 0.2699, 0.2097

Sweetspot

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



23.6291, 0.4573, 0.4422



61.8438, 0.3514, 0.3676



10.8030, 0.4790, 0.2717



13.4520, 0.3580, 0.3737



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.



23.6291, 0.4573, 0.4422



38.3527, 0.4847, 0.4469



35.4441, 0.3901, 0.5035



8.3367, 0.3270, 0.3438



14.9271, 0.4937, 0.4462



0.4524, 0.4638, 0.4700

Inverse Universe

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



9.8627, 0.1883, 0.1628



12.5215, 0.1700, 0.1252



5.4583, 0.1841, 0.1012



7.7030, 0.2986, 0.3137



4.4512, 0.1647, 0.1129



0.2029, 0.1838, 0.1816

Previews

White Background



This preview shows how the Yxy color 23.6279, 0.4573, 0.4422 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 23.6279, 0.4573, 0.4422 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 23.6279, 0.4573, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 23.6279, 0.4573, 0.4422.



This preview shows how white text looks on a background with the Yxy color 23.6279, 0.4573, 0.4422.

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

23.6279, 0.4573, 0.4422

Protanopia

23.7086, 0.4225, 0.4651

Deuteranopia

23.6637, 0.4538, 0.4448



Tritanopia

23.7193, 0.3757, 0.3158

Trichromacy



Original Color

23.6279, 0.4573, 0.4422

Protanomaly

23.5679, 0.4352, 0.4571

Deuteranomaly

23.7739, 0.4549, 0.4441

Tritanomaly

23.5179, 0.4117, 0.3667

Monochromacy



Original Color

23.6279, 0.4573, 0.4422

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2307, 0.3681, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6279, 0.4573, 0.4422 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(170, 126, 41)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 41)  
}
```

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(170, 126, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 41) }
```

Border

The CSS property to change the border of an element to Yxy 23.6279, 0.4573, 0.4422 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(170, 126, 41) }
```

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

```
.border{ border-color:rgb(170, 126, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 126, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 41);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6279, 0.4573, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 41) }
```

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

```
.background{ background-color: rgb(170,  
126, 41) }
```

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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