

Converting Colors

$Y_{xy}(22.0527, 0.4648, 0.4331)$

Have a look what the booklet for
Yxy(22.0527, 0.4648, 0.4331)
contains.

Yxy(22.1462, 0.4643, 0.4336)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1462, 0.4643, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	AA782A
RGB	170, 120, 42
RGB Percent	67%, 47%, 16%
CMY	0.3333, 0.5294, 0.8353
CMYK	0.00, 0.29, 0.75, 0.33
HSL	37°, 60%, 42%
HSV	37°, 75%, 67%
XYZ	23.7142, 22.1462, 5.2148
YIQ	126.0580, 54.8380, -13.6580

Conversions

Conversions Part 2

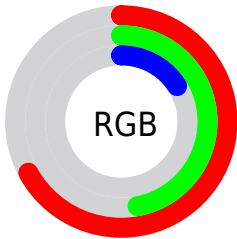
Format	Color
RYB	124, 170, 42
Decimal	11171882
CIELab	54.18, 12.26, 48.37
CIELCh	54, 49.902, 75.775
Yxy	22.1462, 0.4643, 0.4336
Android (android.graphics.Color)	4289361962 (0xFFAA782A)
YUV	126.0580, -41.4406, 38.5371
Hunter-Lab	47.0597, 7.5946, 26.3718

Details

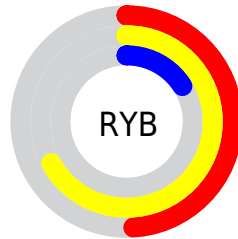
The Yxy color **22.1462, 0.4643, 0.4336** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.0515, 0.1922, 0.1765**, and the grayscale version is **21.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9534, 0.4347, 0.4161**, and **8.1454, 0.4970, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **20.5076, 0.4841, 0.4374**, and if you desaturate by 10%, it is **23.9495, 0.4424, 0.4253**.

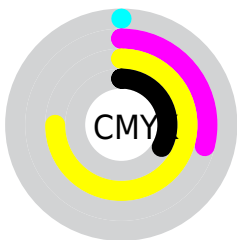
Distribution



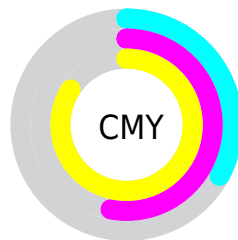
- Red (67%)
- Green (47%)
- Blue (16%)



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



- Cyan (0%)
- Magenta (29%)
- Yellow (75%)
- Black (33%)



- Cyan (33%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1462, 0.4643, 0.4336 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 22.1462, 0.4643, 0.4336 by changing the saturation by 10% instead.


 22.1462, 0.4643,
0.4336


 22.1462, 0.4643,
0.4336


263.3088, 0.3835,
0.3827


 13.9644, 0.4836,
0.4430


 46.9875, 0.4348,
0.4168

 8.0959, 0.5068,
0.4519


 64.4158, 0.4237,
0.4098

 4.1564, 0.5385,
0.4615

 85.6950, 0.4142,
0.4037

 1.7614, 0.5546,
0.4454

 111.2095, 0.4062,
0.3984

 0.4629, 0.6150,
0.3850

 141.3438, 0.3993,
0.3937

 0.0000, 0.0000,
0.0000

 176.4821, 0.3933,

0.3896

217.0090, 0.3881,
0.3859

■ 22.1462, 0.4643,
0.4336

■ 22.1462, 0.4643,
0.4336

■ 20.5076, 0.4841,
0.4374

■ 23.9495, 0.4424,
0.4253

■ 19.0209, 0.5009,
0.4360

■ 25.9221, 0.4197,
0.4135

■ 18.3659, 0.5084,
0.4345

■ 28.0723, 0.3972,
0.3993

■ 30.4067, 0.3757,
0.3838

■ 32.9314, 0.3556,
0.3678

■ 35.6519, 0.3373,
0.3520

■ 38.5738, 0.3208,
0.3368

■ 41.7021, 0.3060,
0.3223

■ 45.0418, 0.2929,
0.3089

Harmonies

Analogous

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



22.1462, 0.4883, 0.3706



22.1462, 0.4643, 0.4336



22.1462, 0.4007, 0.4838

Triad

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



22.1462, 0.4643, 0.4336



22.1462, 0.1847, 0.3264



22.1462, 0.2856, 0.2149

Complementary

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



22.1462, 0.4643, 0.4336



11.0515, 0.1922, 0.1765

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.



22.1462, 0.2146, 0.1979



22.1462, 0.4643, 0.4336



22.1462, 0.1636, 0.2484

Square

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



22.1462, 0.4643, 0.4336



22.1462, 0.2394, 0.4249



22.1462, 0.1740, 0.2072



22.1462, 0.3767, 0.2540

Rectangle

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



22.1462, 0.4643, 0.4336



22.1462, 0.3468, 0.4946



22.1462, 0.1740, 0.2072



22.1462, 0.2588, 0.2066

Sweetspot

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



22.1473, 0.4643, 0.4336



60.6405, 0.3520, 0.3648



10.9973, 0.4629, 0.2625



13.1489, 0.3588, 0.3705



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.



22.1473, 0.4643, 0.4336



35.4632, 0.4952, 0.4371



36.1113, 0.3964, 0.4981



8.2743, 0.3271, 0.3427



13.6185, 0.5072, 0.4355



0.4264, 0.4715, 0.4639

Inverse Universe

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



11.0515, 0.1922, 0.1765



14.5900, 0.1746, 0.1409



5.3651, 0.1801, 0.1001



7.7634, 0.2986, 0.3149



5.1393, 0.1685, 0.1266



0.2250, 0.1875, 0.1949

Previews

White Background



This preview shows how the Yxy color 22.1462, 0.4643, 0.4336 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 22.1462, 0.4643, 0.4336 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 22.1462, 0.4643, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 22.1462, 0.4643, 0.4336.



This preview shows how white text looks on a background with the Yxy color 22.1462, 0.4643, 0.4336.

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

22.1462, 0.4643, 0.4336

Protanopia

22.1745, 0.4194, 0.4619

Deuteranopia

22.1125, 0.4529, 0.4434



Tritanopia

22.0828, 0.3850, 0.3157

Trichromacy



Original Color

22.1462, 0.4643, 0.4336

Protanomaly

21.9736, 0.4360, 0.4510

Deuteranomaly

22.1862, 0.4577, 0.4399

Tritanomaly

21.9184, 0.4199, 0.3639

Monochromacy



Original Color

22.1462, 0.4643, 0.4336

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9923, 0.3699, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1462, 0.4643, 0.4336 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, 120, 42)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 42)  
}
```

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, 120, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 42) }
```

Border

The CSS property to change the border of an element to Yxy 22.1462, 0.4643, 0.4336 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, 120, 42) }
```

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

```
.border{ border-color:rgb(170, 120, 42) }
```

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

Here you see how a box with a 4 pixel rgb(170, 120, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 120, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 120, 42);  
box-shadow:4px 4px 4px 4px rgb(170, 120,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1462, 0.4643, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 42) }
```

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

```
.background{ background-color: rgb(170,  
120, 42) }
```

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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