

Converting Colors

$Y_{xy}(21.6157, 0.4775, 0.5225)$

Have a look what the booklet for
Yxy(21.6157, 0.4775, 0.5225)
contains.

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Color

Yxy(22.0177, 0.4485, 0.4821)

Conversions

Conversions Part 1

Format	Color
Hex	978000
RGB	151, 128, 0
RGB Percent	59%, 50%, 0%
CMY	0.4078, 0.4980, 1.0000
CMYK	0.00, 0.15, 1.00, 0.41
HSL	51°, 100%, 30%
HSV	51°, 100%, 59%
XYZ	20.4832, 22.0177, 3.1695
YIQ	120.2850, 54.7960, -34.9320

Conversions

Conversions Part 2

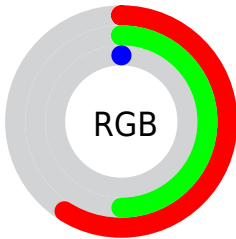
Format	Color
R_{YB}	27, 151, 0
Decimal	9928704
CIE Lab	54.05, -2.15, 59.25
CIE LCh	54, 59.284, 92.079
Yxy	22.0177, 0.4485, 0.4821
Android (android.graphics.Color)	4288118784 (0xFF978000)
YUV	120.2850, -59.3005, 26.9371
Hunter-Lab	46.9230, -4.1952, 28.8412

Details

The Yxy color **22.0177, 0.4485, 0.4821** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.8479, 0.1540, 0.0744**, and the grayscale version is **19.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6031, 0.4267, 0.4558**, and **8.0788, 0.4520, 0.4793** is the 20% darker color. If you saturate the color by 10%, you get **22.0188, 0.4485, 0.4821**, and if you desaturate by 10%, it is **22.6607, 0.4416, 0.4794**.

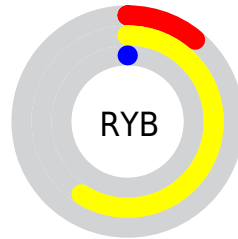
Distribution



Red (59%)

Green (50%)

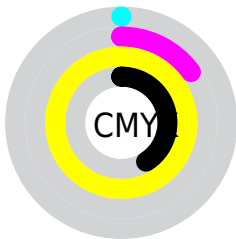
Blue (0%)



Red (11%)

Yellow (59%)

Blue (0%)

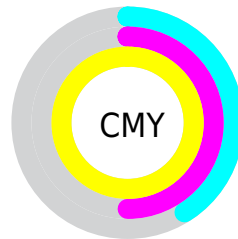


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0177, 0.4485, 0.4821 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 22.0177, 0.4485, 0.4821 by changing the saturation by 10% instead.


 22.0177, 0.4485,
0.4821


 22.0177, 0.4485,
0.4821


262.6387, 0.3814,
0.4050


 13.8699, 0.4607,
0.4970


 46.7753, 0.4264,
0.4562

 8.0302, 0.4798,
0.5202


 64.1538, 0.4172,
0.4455

 4.1143, 0.4779,
0.5221

 85.3780, 0.4091,
0.4363

 1.7377, 0.4748,
0.5252

 110.8324, 0.4021,
0.4283


 0.4479, 0.4545,
0.5455

 140.9012, 0.3959,
0.4214


 0.0000, 0.0000,
0.0000


 175.9690, 0.3905,

0.4152


 216.4200, 0.3857,
0.4098

 22.0177, 0.4485,
0.4821

 22.0177, 0.4485,
0.4821

 22.0188, 0.4485,
0.4821

 22.6607, 0.4416,
0.4794

 23.3416, 0.4328,
0.4735

 24.0732, 0.4213,
0.4632

 24.8605, 0.4076,
0.4490

 25.7073, 0.3923,
0.4317

■ 26.6175, 0.3761,
0.4123

■ 27.5941, 0.3595,
0.3915

■ 28.6402, 0.3432,
0.3703

■ 29.7586, 0.3275,
0.3493

Harmonies

Analogous

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



22.0177, 0.5082, 0.4106



22.0177, 0.4485, 0.4821



22.0177, 0.3595, 0.5263

Triad

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



22.0177, 0.4485, 0.4821



22.0177, 0.1475, 0.2679



22.0177, 0.3367, 0.2192

Complementary

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



22.0177, 0.4485, 0.4821



2.8479, 0.1540, 0.0744

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.



22.0177, 0.2383, 0.1862



22.0177, 0.4485, 0.4821



22.0177, 0.1446, 0.2032

Square

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



22.0177, 0.4485, 0.4821



22.0177, 0.1868, 0.3786



22.0177, 0.1741, 0.1793



22.0177, 0.4447, 0.2733

Rectangle

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



22.0177, 0.4485, 0.4821



22.0177, 0.2950, 0.5143



22.0177, 0.1741, 0.1793



22.0177, 0.3009, 0.2055

Sweetspot

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



22.0188, 0.4485, 0.4821



49.3013, 0.3605, 0.3928



6.6513, 0.6127, 0.3149



11.0487, 0.3669, 0.4009



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.0188, 0.4485, 0.4821



39.2121, 0.4491, 0.4816



24.8847, 0.3626, 0.5503



7.0625, 0.3264, 0.3477



18.7621, 0.4483, 0.4823



0.3186, 0.4337, 0.4939

Inverse Universe

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



2.8479, 0.1540, 0.0744



4.9259, 0.1534, 0.0722



2.9214, 0.1760, 0.0743



6.1708, 0.2988, 0.3096



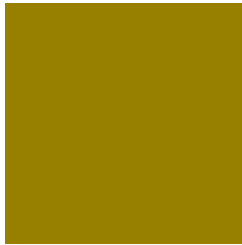
2.4509, 0.1542, 0.0752



0.0706, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 22.0177, 0.4485, 0.4821 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 22.0177, 0.4485, 0.4821 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 22.0177, 0.4485, 0.4821

Background



This preview shows how black text looks on a background with the Yxy color 22.0177, 0.4485, 0.4821.

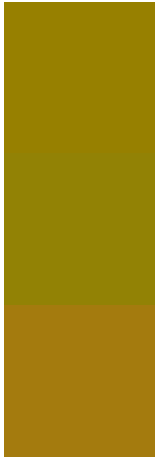


This preview shows how white text looks on a background with the Yxy color 22.0177, 0.4485, 0.4821.

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

22.0177, 0.4485, 0.4821

Protanopia

22.0872, 0.4384, 0.4875

Deuteranopia

22.0901, 0.4676, 0.4597



Tritanopia

22.0213, 0.3514, 0.3146

Trichromacy



Original Color

22.0177, 0.4485, 0.4821

Protanomaly

22.0030, 0.4427, 0.4851

Deuteranomaly

22.0579, 0.4602, 0.4682

Tritanomaly

21.4817, 0.4051, 0.3962

Monochromacy



Original Color

22.0177, 0.4485, 0.4821

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5130, 0.3782, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0177, 0.4485, 0.4821 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(151, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 128, 0)  
}
```

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(151, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0177, 0.4485, 0.4821 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(151, 128, 0) }
```

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

```
.border{ border-color:rgb(151, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0177, 0.4485, 0.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 128, 0) }
```

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

```
.background{ background-color: rgb(151,  
128, 0) }
```

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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