

Converting Colors

$Y_{xy}(21.9746, 0.4477, 0.5150)$

Have a look what the booklet for
Yxy(21.9746, 0.4477, 0.5150)
contains.

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Color

Yxy(22.0722, 0.4345, 0.4932)

Conversions

Conversions Part 1

Format	Color
Hex	8F8300
RGB	143, 131, 0
RGB Percent	56%, 51%, 0%
CMY	0.4392, 0.4863, 0.9999
CMYK	0.00, 0.08, 1.00, 0.44
HSL	55°, 100%, 28%
HSV	55°, 100%, 56%
XYZ	19.4452, 22.0722, 3.2356
YIQ	119.6540, 49.2030, -38.1970

Conversions

Conversions Part 2

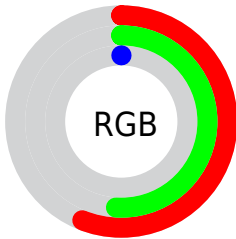
Format	Color
R_{YB}	13, 143, 0
Decimal	9405184
CIE Lab	54.10, -7.55, 58.92
CIE LCh	54, 59.402, 97.303
Yxy	22.0722, 0.4345, 0.4932
Android (android.graphics.Color)	4287595264 (0xFF8F8300)
YUV	119.6540, -58.9894, 20.4744
Hunter-Lab	46.9811, -8.3367, 28.8034

Details

The Yxy color **22.0722, 0.4345, 0.4932** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.2470, 0.1520, 0.0671**, and the grayscale version is **18.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9656, 0.4152, 0.4645**, and **8.1584, 0.4327, 0.4946** is the 20% darker color. If you saturate the color by 10%, you get **22.0729, 0.4345, 0.4932**, and if you desaturate by 10%, it is **22.4303, 0.4295, 0.4893**.

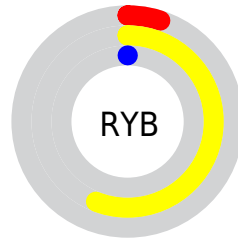
Distribution



Red (56%)

Green (51%)

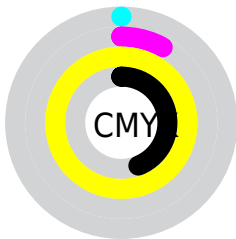
Blue (0%)



Red (5%)

Yellow (56%)

Blue (0%)

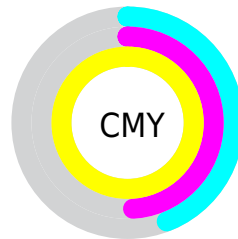


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0722, 0.4345, 0.4932 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 22.0722, 0.4345, 0.4932 by changing the saturation by 10% instead.

■ 22.0722, 0.4345,
0.4932

■ 22.0722, 0.4345,
0.4932

■ 262.9231, 0.3754,
0.4083

■ 13.9100, 0.4444,
0.5109

■ 46.8653, 0.4155,
0.4637

■ 8.0581, 0.4607,
0.5393

■ 64.2649, 0.4074,
0.4520

■ 4.1321, 0.4539,
0.5461

■ 85.5125, 0.4003,
0.4419

■ 1.7477, 0.4426,
0.5574

■ 110.9924, 0.3940,
0.4332

■ 0.4543, 0.3526,
0.6474

■ 141.0890, 0.3885,
0.4257

■ 0.0000, 0.0000,
0.0000


■ 176.1867, 0.3836,


0.4191

 216.6700, 0.3793,
0.4134


 22.0722, 0.4345,
0.4932


 22.0722, 0.4345,
0.4932


 22.0729, 0.4345,
0.4932

 22.4303, 0.4295,
0.4893

 22.8128, 0.4227,
0.4824

 23.2317, 0.4133,
0.4713

 23.6913, 0.4016,
0.4564

 24.1949, 0.3881,
0.4382

■ 24.7456, 0.3734,
0.4177

■ 25.3463, 0.3580,
0.3958

■ 25.9994, 0.3425,
0.3732

■ 26.7073, 0.3273,
0.3508

Harmonies

Analogous

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



22.0722, 0.5012, 0.4235



22.0722, 0.4345, 0.4932



22.0722, 0.3427, 0.5275

Triad

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



22.0722, 0.4345, 0.4932



22.0722, 0.1444, 0.2531



22.0722, 0.3561, 0.2273

Complementary

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



22.0722, 0.4345, 0.4932



2.2470, 0.1520, 0.0671

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.



22.0722, 0.2532, 0.1900



22.0722, 0.4345, 0.4932



22.0722, 0.1473, 0.1963

Square

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



22.0722, 0.4345, 0.4932



22.0722, 0.1770, 0.3569



22.0722, 0.1825, 0.1783



22.0722, 0.4609, 0.2842

Rectangle

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



22.0722, 0.4345, 0.4932



22.0722, 0.2785, 0.5040



22.0722, 0.1825, 0.1783



22.0722, 0.3194, 0.2123

Sweetspot

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



22.0733, 0.4345, 0.4932



45.3131, 0.3590, 0.3972



5.8733, 0.6255, 0.3219



10.2961, 0.3648, 0.4056



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.0733, 0.4345, 0.4932



39.4019, 0.4348, 0.4929



21.6171, 0.3524, 0.5584



6.2090, 0.3261, 0.3490



19.5287, 0.4344, 0.4933



0.2015, 0.4262, 0.4998

Inverse Universe

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



2.2470, 0.1520, 0.0671



3.9113, 0.1515, 0.0654



2.8599, 0.1865, 0.0801



5.3233, 0.2990, 0.3082



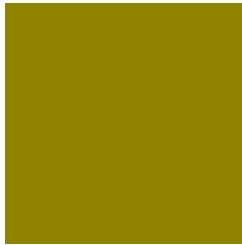
2.0009, 0.1521, 0.0675



0.0307, 0.1615, 0.1015

Previews

White Background



This preview shows how the Yxy color 22.0722, 0.4345, 0.4932 looks on a white background.

Color Contrast Check

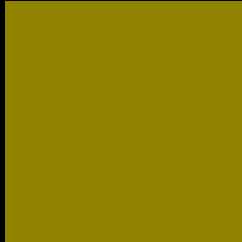
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0722, 0.4345, 0.4932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

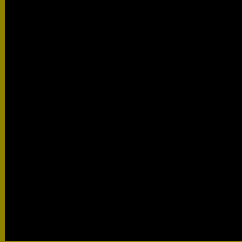
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0722, 0.4345, 0.4932

Background



This preview shows how black text looks on a background with the Yxy color 22.0722, 0.4345, 0.4932.



This preview shows how white text looks on a background with the Yxy color 22.0722, 0.4345, 0.4932.

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

22.0722, 0.4345, 0.4932

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0989, 0.4666, 0.4585



Tritanopia

22.1371, 0.3381, 0.3142

Trichromacy



Original Color

22.0722, 0.4345, 0.4932

Protanomaly

21.9850, 0.4383, 0.4902

Deuteranomaly

22.0138, 0.4547, 0.4715

Tritanomaly

21.5877, 0.3914, 0.4003

Monochromacy



Original Color

22.0722, 0.4345, 0.4932

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.5263, 0.3735, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0722, 0.4345, 0.4932 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(143, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 131, 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(143, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 131, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0722, 0.4345, 0.4932 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(143, 131, 0) }
```

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

```
.border{ border-color:rgb(143, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 131,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0722, 0.4345, 0.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 131, 0) }
```

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

```
.background{ background-color: rgb(143,  
131, 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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