

Converting Colors

$Y_{xy}(21.6836, 0.4838, 0.5162)$

Have a look what the booklet for
Yxy(21.6836, 0.4838, 0.5162)
contains.

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Color

Yxy(21.7917, 0.4550, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	9A7E00
RGB	154, 126, 0
RGB Percent	60%, 49%, 0%
CMY	0.3961, 0.5059, 1.0000
CMYK	0.00, 0.18, 1.00, 0.40
HSL	49°, 100%, 30%
HSV	49°, 100%, 60%
XYZ	20.7866, 21.7917, 3.1066
YIQ	120.0080, 57.1340, -33.2500

Conversions

Conversions Part 2

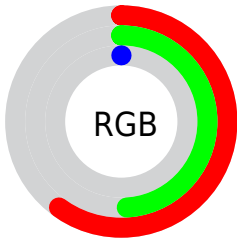
Format	Color
R_{YB}	34, 154, 0
Decimal	10124800
CIE _{Lab}	53.81, 0.36, 59.24
CIE _{LCh}	54, 59.242, 89.653
Yxy	21.7917, 0.4550, 0.4770
Android (android.graphics.Color)	4288314880 (0xFF9A7E00)
YUV	120.0080, -59.1639, 29.8110
Hunter-Lab	46.6816, -2.2093, 28.7315

Details

The Yxy color **21.7917, 0.4550, 0.4770** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1633, 0.1552, 0.0786**, and the grayscale version is **18.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2431, 0.4312, 0.4523**, and **8.0454, 0.4579, 0.4746** is the 20% darker color. If you saturate the color by 10%, you get **21.7931, 0.4550, 0.4770**, and if you desaturate by 10%, it is **22.5547, 0.4472, 0.4749**.

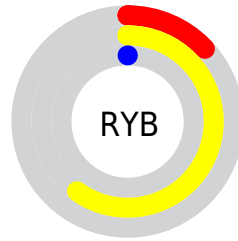
Distribution



Red (60%)

Green (49%)

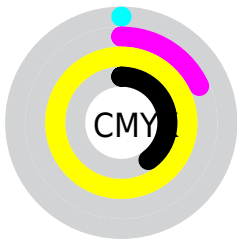
Blue (0%)



Red (13%)

Yellow (60%)

Blue (0%)

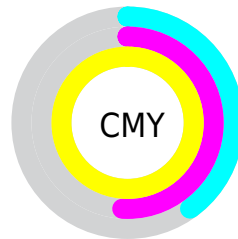


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7917, 0.4550, 0.4770 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 21.7917, 0.4550, 0.4770 by changing the saturation by 10% instead.


 21.7917, 0.4550,
0.4770


 21.7917, 0.4550,
0.4770


261.4565, 0.3841,
0.4034


 13.7039, 0.4683,
0.4906


 46.4015, 0.4314,
0.4526


 7.9150, 0.4886,
0.5114

 63.6923, 0.4216,
0.4425


 4.0406, 0.4889,
0.5111

 84.8195, 0.4131,
0.4337

 1.6963, 0.4894,
0.5106

 110.1676, 0.4057,
0.4260


 0.4213, 0.4927,
0.5073


 140.1210, 0.3993,
0.4193


 0.0000, 0.0000,
0.0000


 175.0640, 0.3936,


0.4133


 215.3811, 0.3885,
0.4081


 21.7917, 0.4550,
0.4770


 21.7917, 0.4550,
0.4770


 21.7931, 0.4550,
0.4770

 22.5547, 0.4472,
0.4749

 23.3632, 0.4373,
0.4694

 24.2308, 0.4248,
0.4595

 25.1625, 0.4102,
0.4457

 26.1626, 0.3941,
0.4288

■ 27.2351, 0.3772,
0.4098

■ 28.3834, 0.3602,
0.3896

■ 29.6107, 0.3435,
0.3690

■ 30.9200, 0.3276,
0.3486

Harmonies

Analogous

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



21.7917, 0.5113, 0.4048



21.7917, 0.4550, 0.4770



21.7917, 0.3673, 0.5255

Triad

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



21.7917, 0.4550, 0.4770



21.7917, 0.1489, 0.2751



21.7917, 0.3279, 0.2154

Complementary

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



21.7917, 0.4550, 0.4770



3.1633, 0.1552, 0.0786

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.



21.7917, 0.2315, 0.1843



21.7917, 0.4550, 0.4770



21.7917, 0.1433, 0.2065

Square

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



21.7917, 0.4550, 0.4770



21.7917, 0.1915, 0.3889



21.7917, 0.1702, 0.1797



21.7917, 0.4371, 0.2682

Rectangle

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



21.7917, 0.4550, 0.4770



21.7917, 0.3027, 0.5187



21.7917, 0.1702, 0.1797



21.7917, 0.2925, 0.2023

Sweetspot

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



21.7931, 0.4550, 0.4770



51.4318, 0.3612, 0.3908



6.9549, 0.6089, 0.3128



11.4528, 0.3679, 0.3989



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.7931, 0.4550, 0.4770



39.3291, 0.4558, 0.4763



26.1284, 0.3652, 0.5482



7.0319, 0.3264, 0.3471



17.8030, 0.4546, 0.4772



0.3102, 0.4366, 0.4915

Inverse Universe

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



3.1633, 0.1552, 0.0786



5.5378, 0.1545, 0.0761



2.9802, 0.1736, 0.0730



6.1990, 0.2988, 0.3103



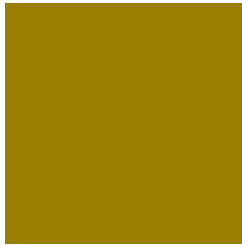
2.6174, 0.1555, 0.0796



0.0787, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 21.7917, 0.4550, 0.4770 looks on a white background.

Color Contrast Check

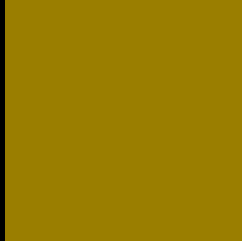
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7917, 0.4550, 0.4770 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 21.7917, 0.4550, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 21.7917, 0.4550, 0.4770.

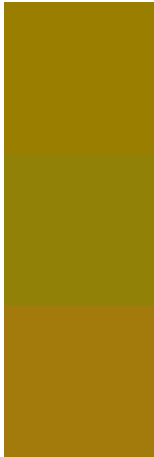


This preview shows how white text looks on a background with the Yxy color 21.7917, 0.4550, 0.4770.

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

21.7917, 0.4550, 0.4770

Protanopia

21.7334, 0.4383, 0.4870

Deuteranopia

21.7321, 0.4685, 0.4601



Tritanopia

21.8060, 0.3584, 0.3148

Trichromacy



Original Color

21.7917, 0.4550, 0.4770

Protanomaly

21.7430, 0.4438, 0.4836

Deuteranomaly

21.6570, 0.4645, 0.4652

Tritanomaly

21.2812, 0.4118, 0.3936

Monochromacy



Original Color

21.7917, 0.4550, 0.4770

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3464, 0.3802, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7917, 0.4550, 0.4770 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(154, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 126, 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(154, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.7917, 0.4550, 0.4770 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(154, 126, 0) }
```

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

```
.border{ border-color:rgb(154, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7917, 0.4550, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 126, 0) }
```

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

```
.background{ background-color: rgb(154,  
126, 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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