

Converting Colors

$Y_{xy}(21.9056, 0.4545, 0.4737)$

Have a look what the booklet for
Yxy(21.9056, 0.4545, 0.4737)
contains.

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Color

Yxy(21.9056, 0.4545, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	9B7E07
RGB	155, 126, 7
RGB Percent	61%, 49%, 3%
CMY	0.3921, 0.5059, 0.9727
CMYK	0.00, 0.19, 0.96, 0.39
HSL	48°, 91%, 32%
HSV	48°, 96%, 61%
XYZ	21.0177, 21.9056, 3.3203
YIQ	121.1050, 55.4830, -30.8610

Conversions

Conversions Part 2

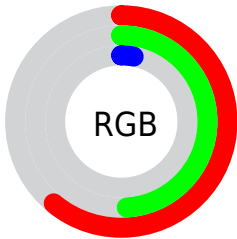
Format	Color
R_{YB}	43, 155, 7
Decimal	10190343
CIE _{Lab}	53.93, 0.95, 58.08
CIE _{LCh}	54, 58.087, 89.065
Yxy	21.9056, 0.4545, 0.4737
Android (android.graphics.Color)	4288380423 (0xFF9B7E07)
YUV	121.1050, -56.2538, 29.7259
Hunter-Lab	46.8034, -1.7481, 28.5563

Details

The Yxy color **21.9056, 0.4545, 0.4737** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.6719, 0.1592, 0.0881**, and the grayscale version is **19.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4291, 0.4304, 0.4494**, and **8.0171, 0.4637, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **21.5446, 0.4582, 0.4744**, and if you desaturate by 10%, it is **22.7397, 0.4456, 0.4708**.

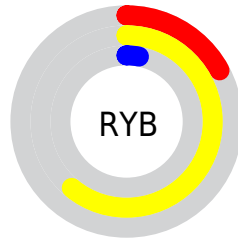
Distribution



Red (61%)

Green (49%)

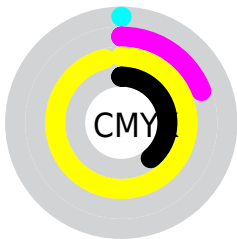
Blue (3%)



Red (17%)

Yellow (61%)

Blue (3%)

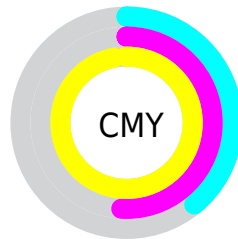


Cyan (0%)

Magenta (19%)

Yellow (96%)

Black (39%)



Cyan (39%)


Magenta (51%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9056, 0.4545, 0.4737 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 21.9056, 0.4545, 0.4737 by changing the saturation by 10% instead.


 21.9056, 0.4545,
0.4737


 21.9056, 0.4545,
0.4737


262.0529, 0.3833,
0.4016


 13.7876, 0.4682,
0.4872


 46.5899, 0.4306,
0.4497

 7.9731, 0.4897,
0.5085


 63.9250, 0.4208,
0.4398


 4.0777, 0.4914,
0.5086

 85.1012, 0.4122,
0.4311

 1.7171, 0.4928,
0.5072

 110.5029, 0.4049,
0.4236


 0.4347, 0.5009,
0.4991


 140.5145, 0.3984,
0.4170


 0.0000, 0.0000,
0.0000


 175.5205, 0.3927,

0.4113


 215.9051, 0.3877,
0.4062


 21.9056, 0.4545,
0.4737


 21.9056, 0.4545,
0.4737

 21.5446, 0.4582,
0.4744

 22.7397, 0.4456,
0.4708

 23.6321, 0.4340,
0.4635

 24.5901, 0.4200,
0.4519

 25.6186, 0.4042,
0.4369

 26.7218, 0.3873,
0.4191

■ 27.9034, 0.3700,
0.3997

■ 29.1668, 0.3529,
0.3796

■ 30.5153, 0.3364,
0.3593

■ 31.9519, 0.3208,
0.3395

Harmonies

Analogous

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



21.9056, 0.5084, 0.4029



21.9056, 0.4545, 0.4737



21.9056, 0.3688, 0.5211

Triad

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



21.9056, 0.4545, 0.4737



21.9056, 0.1521, 0.2783



21.9056, 0.3256, 0.2165

Complementary

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



21.9056, 0.4545, 0.4737



3.6719, 0.1592, 0.0881

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.



21.9056, 0.2316, 0.1863



21.9056, 0.4545, 0.4737



21.9056, 0.1458, 0.2097

Square

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



21.9056, 0.4545, 0.4737



21.9056, 0.1951, 0.3901



21.9056, 0.1717, 0.1824



21.9056, 0.4326, 0.2683

Rectangle

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



21.9056, 0.4545, 0.4737



21.9056, 0.3053, 0.5150



21.9056, 0.1717, 0.1824



21.9056, 0.2911, 0.2037

Sweetspot

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



21.9067, 0.4545, 0.4737



51.2925, 0.3598, 0.3878



7.2515, 0.5910, 0.3079



11.4070, 0.3666, 0.3958



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.



21.9067, 0.4545, 0.4737



38.3133, 0.4590, 0.4737



26.8137, 0.3691, 0.5418



7.0172, 0.3265, 0.3468



17.3563, 0.4578, 0.4747



0.3062, 0.4381, 0.4903

Inverse Universe

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



3.6719, 0.1592, 0.0881



5.7204, 0.1551, 0.0783



3.2318, 0.1762, 0.0772



6.2126, 0.2988, 0.3106



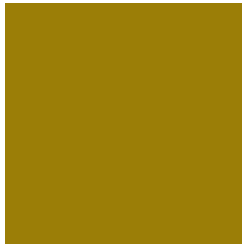
2.7069, 0.1561, 0.0820



0.0826, 0.1741, 0.1466

Previews

White Background



This preview shows how the Yxy color 21.9056, 0.4545, 0.4737 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 21.9056, 0.4545, 0.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

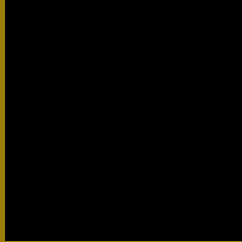
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9056, 0.4545, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 21.9056, 0.4545, 0.4737.



This preview shows how white text looks on a background with the Yxy color 21.9056, 0.4545, 0.4737.

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

21.9056, 0.4545, 0.4737

Protanopia

22.0960, 0.4375, 0.4861

Deuteranopia

21.7347, 0.4682, 0.4597



Tritanopia

21.9103, 0.3597, 0.3149

Trichromacy



Original Color

21.9056, 0.4545, 0.4737

Protanomaly

22.1076, 0.4428, 0.4824

Deuteranomaly

21.6637, 0.4638, 0.4643

Tritanomaly

21.4284, 0.4095, 0.3887

Monochromacy



Original Color

21.9056, 0.4545, 0.4737

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.7317, 0.3763, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9056, 0.4545, 0.4737 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(155, 126, 7)` looks like.

```
.text, #text, p{  
    color:rgb(155, 126, 7)  
}
```

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(155, 126, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 126, 7) }
```

Border

The CSS property to change the border of an element to Yxy 21.9056, 0.4545, 0.4737 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(155, 126, 7) }
```

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

```
.border{ border-color:rgb(155, 126, 7) }
```

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

Here you see how a box with a 4 pixel rgb(155, 126, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 126, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 126, 7);  
box-shadow:4px 4px 4px 4px rgb(155, 126,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9056, 0.4545, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 126, 7) }
```

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

```
.background{ background-color: rgb(155,  
126, 7) }
```

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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