

Converting Colors

$Y_{xy}(20.2613, 0.4514, 0.4746)$

Have a look what the booklet for
Yxy(20.2613, 0.4514, 0.4746)
contains.

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Color

Yxy(20.2347, 0.4511, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	947A09
RGB	148, 122, 9
RGB Percent	58%, 48%, 4%
CMY	0.4196, 0.5215, 0.9644
CMYK	0.00, 0.18, 0.94, 0.42
HSL	49°, 88%, 31%
HSV	49°, 94%, 58%
XYZ	19.2206, 20.2347, 3.1530
YIQ	116.8920, 51.7690, -29.6310

Conversions

Conversions Part 2

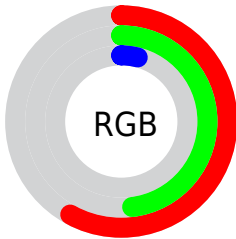
Format	Color
RYB	41, 148, 9
Decimal	9730569
CIELab	52.10, -0.06, 56.00
CIELCh	52, 56.000, 90.062
Yxy	20.2347, 0.4511, 0.4749
Android (android.graphics.Color)	4287920649 (0xFF947A09)
YUV	116.8920, -53.1908, 27.2817
Hunter-Lab	44.9830, -2.4496, 27.3323

Details

The Yxy color **20.2347, 0.4511, 0.4749** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.4018, 0.1603, 0.0900**, and the grayscale version is **17.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8361, 0.4273, 0.4492**, and **7.2247, 0.4576, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **19.8025, 0.4560, 0.4761**, and if you desaturate by 10%, it is **20.9708, 0.4421, 0.4711**.

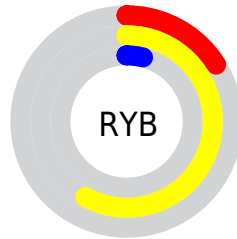
Distribution



Red (58%)

Green (48%)

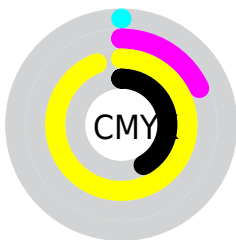
Blue (4%)



Red (16%)

Yellow (58%)

Blue (4%)

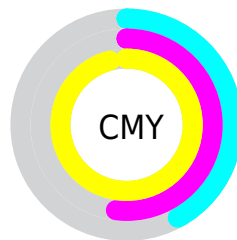


Cyan (0%)

Magenta (18%)

Yellow (94%)

Black (42%)



Cyan (42%)


Magenta (52%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2347, 0.4511, 0.4749 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 20.2347, 0.4511, 0.4749 by changing the saturation by 10% instead.


 20.2347, 0.4511,
0.4749


 20.2347, 0.4511,
0.4749

 253.1829, 0.3806,
0.4006


 12.5658, 0.4649,
0.4894


 43.8103, 0.4272,
0.4496


 7.1302, 0.4871,
0.5129


 60.4858, 0.4174,
0.4394


 3.5437, 0.4870,
0.5130

 80.9323, 0.4090,
0.4305

 1.4217, 0.4869,
0.5131

 105.5341, 0.4017,
0.4228


 0.2327, 0.4856,
0.5144


 134.6756, 0.3954,
0.4161

 0.0000, 0.0000,
0.0000


 168.7414, 0.3899,


0.4103

 208.1156, 0.3850,
0.4051

 20.2347, 0.4511,
0.4749


 20.2347, 0.4511,
0.4749


 19.8025, 0.4560,
0.4761

 20.9708, 0.4421,
0.4711

 21.7587, 0.4303,
0.4628

 22.6046, 0.4163,
0.4505

 23.5124, 0.4005,
0.4348

 24.4859, 0.3838,
0.4166

■ 25.5284, 0.3667,
0.3969

■ 26.6428, 0.3498,
0.3765

■ 27.8319, 0.3336,
0.3562

■ 29.0984, 0.3183,
0.3364

Harmonies

Analogous

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



20.2347, 0.5058, 0.4051



20.2347, 0.4511, 0.4749



20.2347, 0.3655, 0.5198

Triad

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



20.2347, 0.4511, 0.4749



20.2347, 0.1526, 0.2760



20.2347, 0.3291, 0.2188

Complementary

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



20.2347, 0.4511, 0.4749



3.4018, 0.1603, 0.0900

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.



20.2347, 0.2349, 0.1880



20.2347, 0.4511, 0.4749



20.2347, 0.1474, 0.2093

Square

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



20.2347, 0.4511, 0.4749



20.2347, 0.1942, 0.3855



20.2347, 0.1742, 0.1832



20.2347, 0.4347, 0.2709

Rectangle

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



20.2347, 0.4511, 0.4749



20.2347, 0.3025, 0.5115



20.2347, 0.1742, 0.1832



20.2347, 0.2947, 0.2058

Sweetspot

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



20.2357, 0.4511, 0.4749



46.0781, 0.3577, 0.3861



6.6247, 0.5848, 0.3065



10.3429, 0.3644, 0.3942



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.2357, 0.4511, 0.4749



34.7110, 0.4568, 0.4755



24.2801, 0.3696, 0.5399



6.5621, 0.3264, 0.3469



16.9538, 0.4557, 0.4764



0.2458, 0.4358, 0.4922

Inverse Universe

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



3.4018, 0.1603, 0.0900



5.0206, 0.1548, 0.0773



3.0321, 0.1785, 0.0797



5.7981, 0.2989, 0.3105



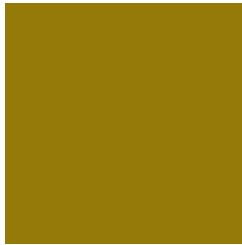
2.5543, 0.1558, 0.0807



0.0638, 0.1735, 0.1444

Previews

White Background



This preview shows how the Yxy color 20.2347, 0.4511, 0.4749 looks on a white background.

Color Contrast Check

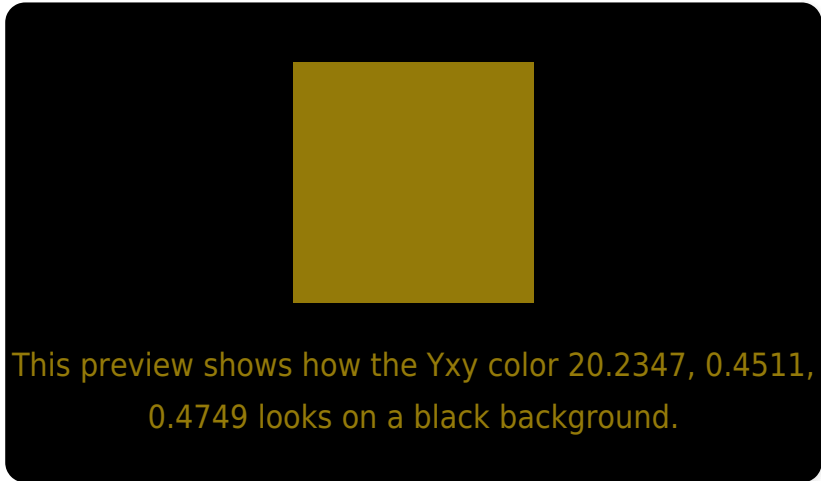
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

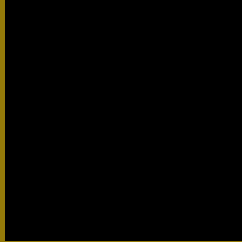
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2347, 0.4511, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 20.2347, 0.4511, 0.4749.

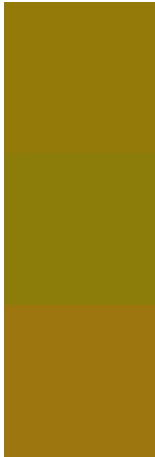


This preview shows how white text looks on a background with the Yxy color 20.2347, 0.4511, 0.4749.

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

20.2347, 0.4511, 0.4749

Protanopia

20.2668, 0.4362, 0.4855

Deuteranopia

20.1595, 0.4663, 0.4593



Tritanopia

20.0854, 0.3558, 0.3142

Trichromacy



Original Color

20.2347, 0.4511, 0.4749

Protanomaly

20.2769, 0.4417, 0.4818

Deuteranomaly

20.0927, 0.4619, 0.4641

Tritanomaly

19.7603, 0.4059, 0.3878

Monochromacy



Original Color

20.2347, 0.4511, 0.4749

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3329, 0.3744, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2347, 0.4511, 0.4749 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(148, 122, 9)` looks like.

```
.text, #text, p{  
  color:rgb(148, 122, 9)  
}
```

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(148, 122, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 122, 9) }
```

Border

The CSS property to change the border of an element to Yxy 20.2347, 0.4511, 0.4749 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(148, 122, 9) }
```

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

```
.border{ border-color:rgb(148, 122, 9) }
```

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

Here you see how a box with a 4 pixel rgb(148, 122, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 122, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 122, 9);  
box-shadow:4px 4px 4px 4px rgb(148, 122,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2347, 0.4511, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 122, 9) }
```

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

```
.background{ background-color: rgb(148,  
122, 9) }
```

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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