

Converting Colors

$Y_{xy}(20.1137, 0.4504, 0.4771)$

Have a look what the booklet for
Yxy(20.1137, 0.4504, 0.4771)
contains.

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Color

Yxy(20.1353, 0.4507, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	937A06
RGB	147, 122, 6
RGB Percent	58%, 48%, 2%
CMY	0.4235, 0.5216, 0.9770
CMYK	0.00, 0.17, 0.96, 0.42
HSL	49°, 92%, 30%
HSV	49°, 96%, 58%
XYZ	19.0251, 20.1353, 3.0520
YIQ	116.2510, 52.1360, -30.7760

Conversions

Conversions Part 2

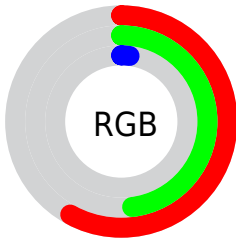
Format	Color
RYB	36, 147, 6
Decimal	9665030
CIELab	51.99, -0.58, 56.47
CIElCh	52, 56.474, 90.586
Yxy	20.1353, 0.4507, 0.4770
Android (android.graphics.Color)	4287855110 (0xFF937A06)
YUV	116.2510, -54.3537, 26.9669
Hunter-Lab	44.8724, -2.8457, 27.3781

Details

The Yxy color **20.1353, 0.4507, 0.4770** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.1176, 0.1581, 0.0846**, and the grayscale version is **17.7006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6686, 0.4275, 0.4514**, and **7.1729, 0.4557, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **19.8696, 0.4538, 0.4779**, and if you desaturate by 10%, it is **20.8241, 0.4425, 0.4738**.

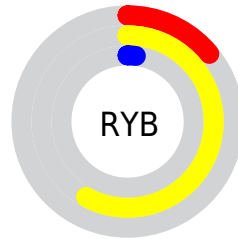
Distribution



Red (58%)

Green (48%)

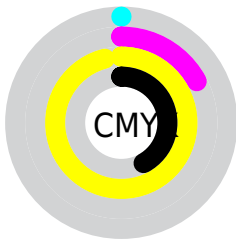
Blue (2%)



Red (14%)

Yellow (58%)

Blue (2%)

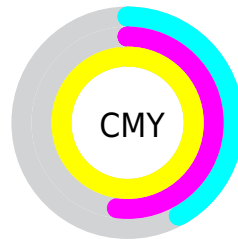


Cyan (0%)

Magenta (17%)

Yellow (96%)

Black (42%)



Cyan (42%)


Magenta (52%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1353, 0.4507, 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 20.1353, 0.4507, 0.4770 by changing the saturation by 10% instead.


 20.1353, 0.4507,
0.4770


 20.1353, 0.4507,
0.4770

 252.6466, 0.3807,
0.4015


 12.4934, 0.4641,
0.4917


 43.6439, 0.4271,
0.4514

 7.0807, 0.4852,
0.5148


 60.2794, 0.4174,
0.4409


 3.5126, 0.4847,
0.5153

 80.6816, 0.4090,
0.4319

 1.4048, 0.4837,
0.5163

 105.2349, 0.4018,
0.4241

 0.2203, 0.4699,
0.5301


 134.3237, 0.3954,
0.4173


 0.0000, 0.0000,
0.0000


 168.3323, 0.3899,

0.4114


 207.6451, 0.3850,
0.4062

 20.1353, 0.4507,
0.4770


 20.1353, 0.4507,
0.4770


 19.8696, 0.4538,
0.4779

 20.8241, 0.4425,
0.4738

 21.5599, 0.4316,
0.4663

 22.3497, 0.4184,
0.4546

 23.1978, 0.4032,
0.4394

 24.1079, 0.3869,
0.4216

■ 25.0831, 0.3700,
0.4019

■ 26.1265, 0.3532,
0.3815

■ 27.2409, 0.3370,
0.3609

■ 28.4288, 0.3215,
0.3407

Harmonies

Analogous

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



20.1353, 0.5069, 0.4066



20.1353, 0.4507, 0.4770



20.1353, 0.3640, 0.5220

Triad

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



20.1353, 0.4507, 0.4770



20.1353, 0.1510, 0.2737



20.1353, 0.3311, 0.2187

Complementary

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



20.1353, 0.4507, 0.4770



3.1176, 0.1581, 0.0846

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.



20.1353, 0.2356, 0.1872



20.1353, 0.4507, 0.4770



20.1353, 0.1463, 0.2074

Square

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



20.1353, 0.4507, 0.4770



20.1353, 0.1920, 0.3839



20.1353, 0.1739, 0.1819



20.1353, 0.4376, 0.2713

Rectangle

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



20.1353, 0.4507, 0.4770



20.1353, 0.3005, 0.5128



20.1353, 0.1739, 0.1819



20.1353, 0.2962, 0.2055

Sweetspot

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



20.1363, 0.4507, 0.4770



46.1014, 0.3592, 0.3889



6.4337, 0.5961, 0.3104



10.3584, 0.3658, 0.3968



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.



20.1363, 0.4507, 0.4770



35.3490, 0.4546, 0.4773



23.7247, 0.3664, 0.5440



6.5717, 0.3263, 0.3471



17.2569, 0.4535, 0.4781



0.2480, 0.4348, 0.4929

Inverse Universe

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



3.1176, 0.1581, 0.0846



4.9097, 0.1544, 0.0758



2.9265, 0.1783, 0.0782



5.7893, 0.2989, 0.3102



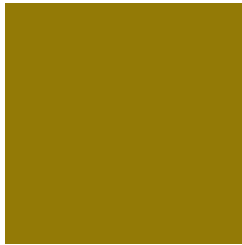
2.4958, 0.1553, 0.0791



0.0616, 0.1724, 0.1406

Previews

White Background



This preview shows how the Yxy color 20.1353, 0.4507, 0.4770 looks on a white background.

Color Contrast Check

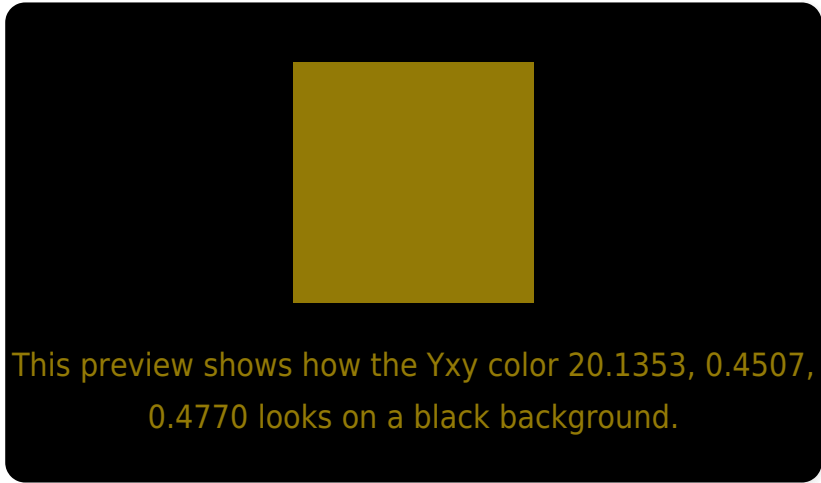
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.1353, 0.4507, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 20.1353, 0.4507, 0.4770.



This preview shows how white text looks on a background with the Yxy color 20.1353, 0.4507, 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

20.1353, 0.4507, 0.4770

Protanopia

20.2602, 0.4370, 0.4866

Deuteranopia

20.1540, 0.4670, 0.4601



Tritanopia

20.0854, 0.3558, 0.3142

Trichromacy



Original Color

20.1353, 0.4507, 0.4770

Protanomaly

20.2703, 0.4425, 0.4829

Deuteranomaly

19.9879, 0.4615, 0.4662

Tritanomaly

19.6493, 0.4058, 0.3898

Monochromacy



Original Color

20.1353, 0.4507, 0.4770

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9907, 0.3761, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1353, 0.4507, 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(147, 122, 6)` looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 6)  
}
```

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(147, 122, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 6) }
```

Border

The CSS property to change the border of an element to Yxy 20.1353, 0.4507, 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(147, 122, 6) }
```

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

```
.border{ border-color:rgb(147, 122, 6) }
```

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

Here you see how a box with a 4 pixel rgb(147, 122, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 6);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1353, 0.4507, 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(147, 122, 6) }
```

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

```
.background{ background-color: rgb(147,  
122, 6) }
```

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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