

Converting Colors

$Y_{xy}(19.9959, 0.4956, 0.4411)$

Have a look what the booklet for
Yxy(19.9959, 0.4956, 0.4411)
contains.

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Color

$Y_{xy}(20.0421, 0.4955, 0.4410)$

Conversions

Conversions Part 1

Format	Color
Hex	AB6F07
RGB	171, 111, 7
RGB Percent	67%, 44%, 3%
CMY	0.3294, 0.5647, 0.9721
CMYK	0.00, 0.35, 0.96, 0.33
HSL	38°, 92%, 35%
HSV	38°, 96%, 67%
XYZ	22.5190, 20.0421, 2.8859
YIQ	117.0840, 69.1440, -19.6240

Conversions

Conversions Part 2

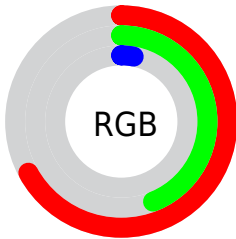
Format	Color
RYB	102, 171, 7
Decimal	11235079
CIELab	51.88, 16.78, 57.41
CIELCh	52, 59.815, 73.705
Yxy	20.0421, 0.4955, 0.4410
Android (android.graphics.Color)	4289425159 (0xFFAB6F07)
YUV	117.0840, -54.2714, 47.2843
Hunter-Lab	44.7684, 11.4426, 27.5159

Details

The Yxy color **20.0421, 0.4955, 0.4410** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0157, 0.1693, 0.1256**, and the grayscale version is **17.9768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6007, 0.4613, 0.4270**, and **7.0657, 0.5184, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **19.4669, 0.5016, 0.4399**, and if you desaturate by 10%, it is **21.5091, 0.4800, 0.4420**.

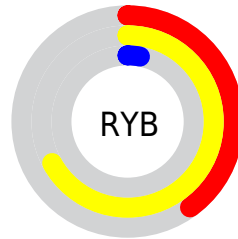
Distribution



Red (67%)

Green (44%)

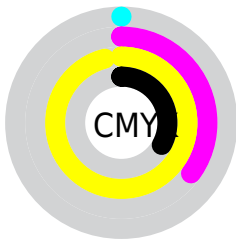
Blue (3%)



Red (40%)

Yellow (67%)

Blue (3%)

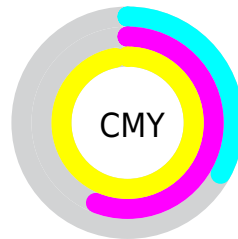


Cyan (0%)

Magenta (35%)

Yellow (96%)

Black (33%)



Cyan (33%)


Magenta (56%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0421, 0.4955, 0.4410 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 20.0421, 0.4955, 0.4410 by changing the saturation by 10% instead.


 20.0421, 0.4955,
0.4410


 20.0421, 0.4955,
0.4410


252.1429, 0.3998,
0.3910


 12.4257, 0.5161,
0.4466


 43.4878, 0.4619,
0.4267


 7.0343, 0.5458,
0.4542

 60.0858, 0.4487,
0.4199


 3.4835, 0.5604,
0.4396

 80.4464, 0.4374,
0.4137

 1.3891, 0.5845,
0.4155

 104.9541, 0.4277,
0.4082

 0.2087, 0.7445,
0.2555

 133.9931, 0.4193,
0.4031

 0.0000, 0.0000,
0.0000


 167.9481, 0.4119,


0.3987


 207.2032, 0.4055,
0.3946

 20.0421, 0.4955,
0.4410


 20.0421, 0.4955,
0.4410


 19.4669, 0.5016,
0.4399

 21.5091, 0.4800,
0.4420

 23.1169, 0.4614,
0.4380

 24.8763, 0.4407,
0.4295

 26.7949, 0.4190,
0.4174

 28.8796, 0.3971,
0.4028

■ 31.1368, 0.3761,
0.3868

■ 33.5722, 0.3563,
0.3702

■ 36.1913, 0.3381,
0.3538

■ 38.9992, 0.3216,
0.3379

Harmonies

Analogous

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



20.0421, 0.5261, 0.3660



20.0421, 0.4955, 0.4410



20.0421, 0.4183, 0.5107

Triad

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



20.0421, 0.4955, 0.4410



20.0421, 0.1618, 0.3308



20.0421, 0.2712, 0.1920

Complementary

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



20.0421, 0.4955, 0.4410



7.0157, 0.1693, 0.1256

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.



20.0421, 0.1907, 0.1741



20.0421, 0.4955, 0.4410



20.0421, 0.1373, 0.2333

Square

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



20.0421, 0.4955, 0.4410



20.0421, 0.2266, 0.4591



20.0421, 0.1474, 0.1851



20.0421, 0.3824, 0.2350

Rectangle

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



20.0421, 0.4955, 0.4410



20.0421, 0.3543, 0.5350



20.0421, 0.1474, 0.1851



20.0421, 0.2401, 0.1830

Sweetspot

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



20.0431, 0.4955, 0.4410



58.4803, 0.3634, 0.3763



9.2210, 0.5374, 0.2770



12.6400, 0.3717, 0.3832



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.0431, 0.4955, 0.4410



34.4441, 0.5034, 0.4385



35.5479, 0.3962, 0.5211



8.8296, 0.3271, 0.3433



14.7769, 0.5006, 0.4407



0.5106, 0.4703, 0.4647

Inverse Universe

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



7.0157, 0.1693, 0.1256



11.1848, 0.1652, 0.1146



3.3559, 0.1585, 0.0670



8.2195, 0.2986, 0.3142



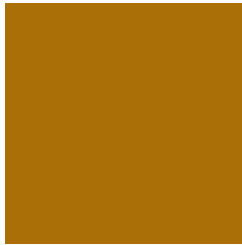
4.9571, 0.1665, 0.1194



0.2441, 0.1843, 0.1833

Previews

White Background



This preview shows how the Yxy color 20.0421, 0.4955, 0.4410 looks on a white background.

Color Contrast Check

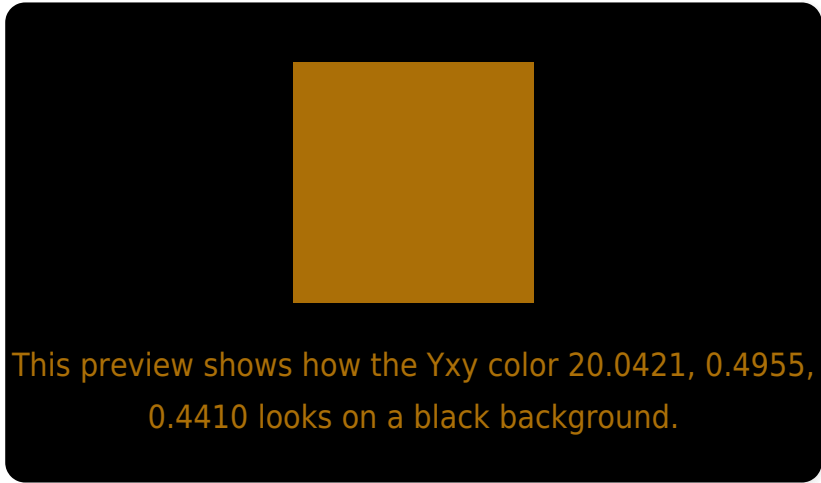
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0421, 0.4955, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 20.0421, 0.4955, 0.4410.



This preview shows how white text looks on a background with the Yxy color 20.0421, 0.4955, 0.4410.

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

20.0421, 0.4955, 0.4410

Protanopia

20.2744, 0.4353, 0.4842

Deuteranopia

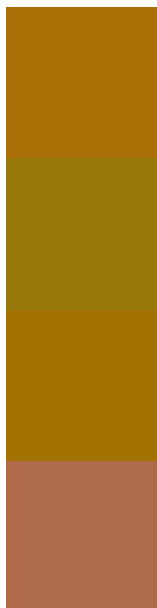
20.1250, 0.4705, 0.4646



Tritanopia

20.0783, 0.4050, 0.3174

Trichromacy



Original Color

20.0421, 0.4955, 0.4410

Protanomaly

20.0364, 0.4573, 0.4689

Deuteranomaly

19.9494, 0.4803, 0.4552

Tritanomaly

19.7878, 0.4538, 0.3771

Monochromacy



Original Color

20.0421, 0.4955, 0.4410

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.1157, 0.3911, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0421, 0.4955, 0.4410 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(171, 111, 7)` looks like.

```
.text, #text, p{  
    color:rgb(171, 111, 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(171, 111, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 111, 7) }
```

Border

The CSS property to change the border of an element to Yxy 20.0421, 0.4955, 0.4410 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(171, 111, 7) }
```

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

```
.border{ border-color:rgb(171, 111, 7) }
```

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

Here you see how a box with a 4 pixel rgb(171, 111, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 111, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 111, 7);  
box-shadow:4px 4px 4px 4px rgb(171, 111,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0421, 0.4955, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 111, 7) }
```

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

```
.background{ background-color: rgb(171,  
111, 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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