

Converting Colors

$Y_{xy}(12.7198, 0.5001, 0.4411)$

Have a look what the booklet for
Yxy(12.7198, 0.5001, 0.4411)
contains.

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Color

Yxy(12.7202, 0.4995, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	8C5900
RGB	140, 89, 0
RGB Percent	55%, 35%, 0%
CMY	0.4510, 0.6510, 1.0000
CMYK	0.00, 0.36, 1.00, 0.45
HSL	38°, 100%, 27%
HSV	38°, 100%, 55%
XYZ	14.3880, 12.7202, 1.6966
YIQ	94.1030, 58.9650, -16.8670

Conversions

Conversions Part 2

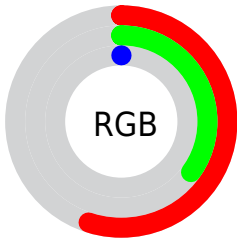
Format	Color
RYB	80, 140, 0
Decimal	9197824
CIELab	42.34, 15.02, 50.63
CIELCh	42, 52.810, 73.480
Yxy	12.7202, 0.4995, 0.4416
Android (android.graphics.Color)	4287387904 (0xFF8C5900)
YUV	94.1030, -46.3928, 40.2517
Hunter-Lab	35.6654, 9.5954, 22.1453

Details

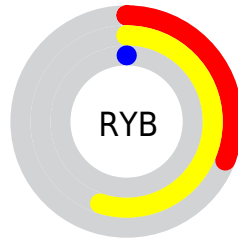
The Yxy color **12.7202, 0.4995, 0.4416** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.2613, 0.1667, 0.1200**, and the grayscale version is **11.3211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7765, 0.4607, 0.4260**, and **3.6126, 0.5261, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **12.7209, 0.4995, 0.4416**, and if you desaturate by 10%, it is **13.6311, 0.4840, 0.4426**.

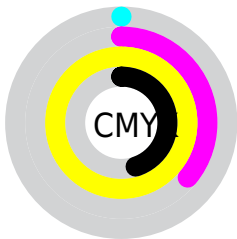
Distribution



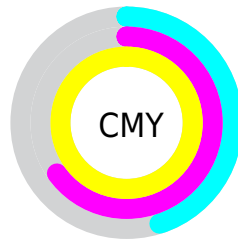
- Red (55%)
- Green (35%)
- Blue (0%)



- Red (31%)
- Yellow (55%)
- Blue (0%)



- Cyan (0%)
- Magenta (36%)
- Yellow (100%)
- Black (45%)





- Cyan (45%)
- Magenta (65%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7202, 0.4995, 0.4416 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 12.7202, 0.4995, 0.4416 by changing the saturation by 10% instead.


 12.7202, 0.4995,
0.4416


 12.7202, 0.4995,
0.4416


 209.1166, 0.3949,
0.3875


 7.2362, 0.5274,
0.4503


 30.8002, 0.4610,
0.4257


 3.6102, 0.5523,
0.4477


 44.1649, 0.4464,
0.4182


 1.4580, 0.5737,
0.4263

 60.9254, 0.4341,
0.4114

 0.2589, 0.7029,
0.2971


 81.4659, 0.4237,
0.4054

 0.0000, 0.0000,
0.0000

 106.1708, 0.4148,
0.4001


 135.4247, 0.4072,


0.3954

 169.6118, 0.4006,
0.3912

 12.7202, 0.4995,
0.4416


 12.7202, 0.4995,
0.4416


 12.7209, 0.4995,
0.4416

 13.6311, 0.4840,
0.4426

 14.6217, 0.4666,
0.4400

 15.7046, 0.4468,
0.4328

 16.8846, 0.4257,
0.4218

 18.1663, 0.4043,
0.4081

■ 19.5534, 0.3833,
0.3927

■ 21.0497, 0.3634,
0.3765

■ 22.6585, 0.3449,
0.3601

■ 24.3830, 0.3280,
0.3442

Harmonies

Analogous

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



12.7202, 0.5312, 0.3652



12.7202, 0.4995, 0.4416



12.7202, 0.4203, 0.5141

Triad

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



12.7202, 0.4995, 0.4416



12.7202, 0.1587, 0.3313



12.7202, 0.2692, 0.1889

Complementary

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



12.7202, 0.4995, 0.4416



4.2613, 0.1667, 0.1200

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.



12.7202, 0.1875, 0.1709



12.7202, 0.4995, 0.4416



12.7202, 0.1338, 0.2312

Square

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



12.7202, 0.4995, 0.4416



12.7202, 0.2247, 0.4641



12.7202, 0.1439, 0.1822



12.7202, 0.3832, 0.2325

Rectangle

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



12.7202, 0.4995, 0.4416



12.7202, 0.3550, 0.5405



12.7202, 0.1439, 0.1822



12.7202, 0.2376, 0.1799

Sweetspot

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



12.7209, 0.4995, 0.4416



36.9373, 0.3646, 0.3775



5.8177, 0.5457, 0.2780



8.2806, 0.3719, 0.3836



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.7209, 0.4995, 0.4416



22.1133, 0.5016, 0.4400



22.8463, 0.3965, 0.5233



5.5437, 0.3266, 0.3429



11.3408, 0.4990, 0.4420



0.1033, 0.4563, 0.4759

Inverse Universe

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



4.2613, 0.1667, 0.1200



7.2292, 0.1657, 0.1164



2.0287, 0.1563, 0.0635



5.1712, 0.2991, 0.3147



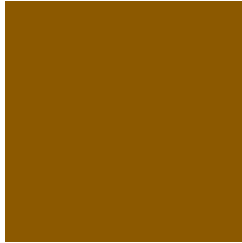
3.8213, 0.1669, 0.1209



0.0515, 0.1898, 0.2032

Previews

White Background



This preview shows how the Yxy color 12.7202, 0.4995, 0.4416 looks on a white background.

Color Contrast Check

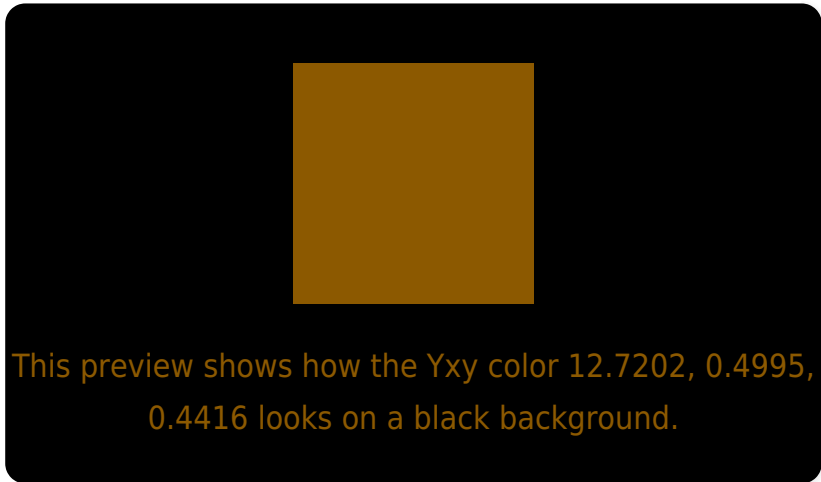
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

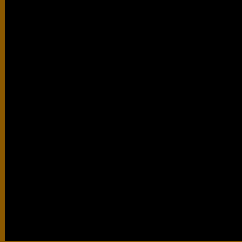
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7202, 0.4995, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 12.7202, 0.4995, 0.4416.



This preview shows how white text looks on a background with the Yxy color 12.7202, 0.4995, 0.4416.

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

12.7202, 0.4995, 0.4416

Protanopia

12.8400, 0.4344, 0.4842

Deuteranopia

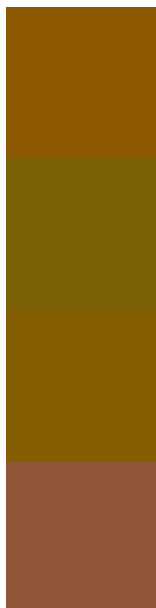
12.6964, 0.4702, 0.4648



Tritanopia

12.8371, 0.4069, 0.3185

Trichromacy



Original Color

12.7202, 0.4995, 0.4416

Protanomaly

12.7735, 0.4582, 0.4691

Deuteranomaly

12.7342, 0.4811, 0.4562

Tritanomaly

12.6320, 0.4579, 0.3777

Monochromacy



Original Color

12.7202, 0.4995, 0.4416

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3600, 0.3938, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7202, 0.4995, 0.4416 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(140, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 89, 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(140, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7202, 0.4995, 0.4416 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(140, 89, 0) }
```

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

```
.border{ border-color:rgb(140, 89, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 89, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7202, 0.4995, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 89, 0) }
```

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

```
.background{ background-color: rgb(140, 89,  
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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