

Converting Colors

$Y_{xy}(12.7966, 0.5307, 0.4168)$

Have a look what the booklet for
Yxy(12.7966, 0.5307, 0.4168)
contains.

Yxy(12.7549, 0.5312, 0.4164)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(12.7549, 0.5312, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	9A5100
RGB	154, 81, 0
RGB Percent	60%, 32%, 0%
CMY	0.3960, 0.6824, 0.9999
CMYK	0.00, 0.47, 1.00, 0.40
HSL	32°, 100%, 30%
HSV	32°, 100%, 60%
XYZ	16.2714, 12.7549, 1.6051
YIQ	93.5930, 69.5090, -9.7150

Conversions

Conversions Part 2

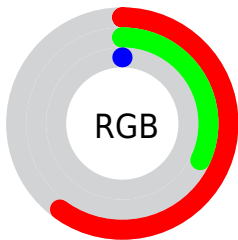
Format	Color
RYB	139, 154, 0
Decimal	10113280
CIELab	42.39, 25.94, 51.64
CIELCh	42, 57.786, 63.326
Yxy	12.7549, 0.5312, 0.4164
Android (android.graphics.Color)	4288303360 (0xFF9A5100)
YUV	93.5930, -46.1413, 52.9769
Hunter-Lab	35.7140, 18.8255, 22.3351

Details

The Yxy color **12.7549, 0.5312, 0.4164** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.1058, 0.1755, 0.1517**, and the grayscale version is **11.1918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8241, 0.4859, 0.4093**, and **3.6309, 0.5714, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **12.7535, 0.5312, 0.4164**, and if you desaturate by 10%, it is **13.9357, 0.5110, 0.4206**.

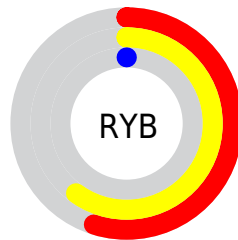
Distribution



Red (60%)

Green (32%)

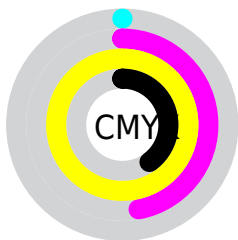
Blue (0%)



Red (55%)

Yellow (60%)

Blue (0%)

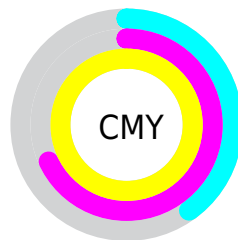


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (68%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7549, 0.5312, 0.4164 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 12.7549, 0.5312, 0.4164 by changing the saturation by 10% instead.


 12.7549, 0.5312,
0.4164


 12.7549, 0.5312,
0.4164


 209.3408, 0.4080,
0.3810


 7.2600, 0.5649,
0.4181


 30.8627, 0.4856,
0.4092


 3.6252, 0.5953,
0.4047

 44.2445, 0.4683,
0.4044


 1.4662, 0.6285,
0.3715

 61.0239, 0.4539,
0.3996

 0.2648, 0.7699,
0.2301

 81.5855, 0.4417,
0.3952

 0.0000, 0.0000,
0.0000

 106.3136, 0.4314,
0.3911


 135.5925, 0.4225,


0.3874


 169.8068, 0.4148,
0.3841


 12.7549, 0.5312,
0.4164


 12.7549, 0.5312,
0.4164


 12.7535, 0.5312,
0.4164

 13.9357, 0.5110,
0.4206

 15.2628, 0.4884,
0.4207

 16.7523, 0.4635,
0.4159

 18.4123, 0.4376,
0.4072

 20.2502, 0.4122,
0.3958

■ 22.2726, 0.3882,
0.3827

■ 24.4859, 0.3661,
0.3689

■ 26.8957, 0.3461,
0.3551

■ 29.5079, 0.3284,
0.3417

Harmonies

Analogous

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



12.7549, 0.5439, 0.3380



12.7549, 0.5312, 0.4164



12.7549, 0.4570, 0.5006

Triad

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



12.7549, 0.5312, 0.4164



12.7549, 0.1651, 0.3793



12.7549, 0.2307, 0.1699

Complementary

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



12.7549, 0.5312, 0.4164



7.1058, 0.1755, 0.1517

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.



12.7549, 0.1588, 0.1606



12.7549, 0.5312, 0.4164



12.7549, 0.1261, 0.2513

Square

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



12.7549, 0.5312, 0.4164



12.7549, 0.2482, 0.5201



12.7549, 0.1257, 0.1833



12.7549, 0.3445, 0.2071

Rectangle

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



12.7549, 0.5312, 0.4164



12.7549, 0.3904, 0.5467



12.7549, 0.1257, 0.1833



12.7549, 0.2019, 0.1636

Sweetspot

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



12.7556, 0.5312, 0.4164



44.2105, 0.3674, 0.3698



7.3729, 0.4999, 0.2528



9.6418, 0.3759, 0.3752



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.



12.7556, 0.5312, 0.4164



22.7714, 0.5340, 0.4142



29.7391, 0.4165, 0.5075



6.7332, 0.3271, 0.3407



10.4603, 0.5301, 0.4173



0.2292, 0.4738, 0.4620

Inverse Universe

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



7.1058, 0.1755, 0.1517



12.5186, 0.1745, 0.1483



2.3510, 0.1507, 0.0604



6.4853, 0.2989, 0.3170



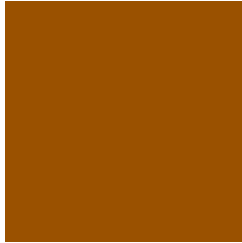
5.8570, 0.1759, 0.1530



0.1597, 0.1974, 0.2306

Previews

White Background



This preview shows how the Yxy color 12.7549, 0.5312, 0.4164 looks on a white background.

Color Contrast Check

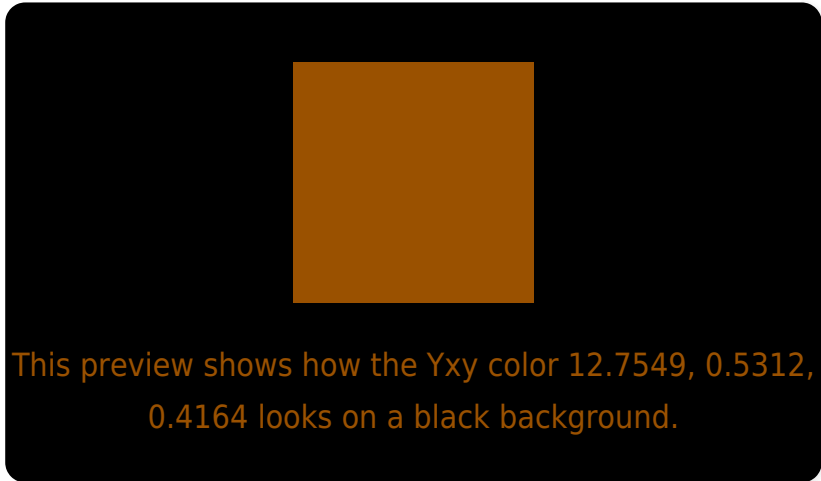
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7549, 0.5312, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 12.7549, 0.5312, 0.4164.



This preview shows how white text looks on a background with the Yxy color 12.7549, 0.5312, 0.4164.

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

12.7549, 0.5312, 0.4164

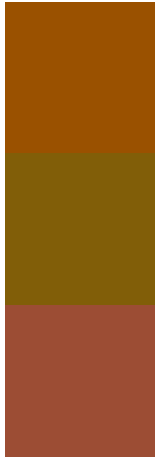
Protanopia

12.9138, 0.4347, 0.4812

Tritanopia

12.7943, 0.4475, 0.3198

Trichromacy



Original Color

12.7549, 0.5312, 0.4164

Protanomaly

12.6901, 0.4716, 0.4568

Tritanomaly

12.6236, 0.4938, 0.3670

Monochromacy



Original Color

12.7549, 0.5312, 0.4164

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1840, 0.4053, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7549, 0.5312, 0.4164 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(154, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 81, 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(154, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 81, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7549, 0.5312, 0.4164 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(154, 81, 0) }
```

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

```
.border{ border-color:rgb(154, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 12.7549, 0.5312, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 81, 0) }
```

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

```
.background{ background-color: rgb(154, 81,  
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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