

Converting Colors

$Y_{xy}(12.7235, 0.5591, 0.3943)$

Have a look what the booklet for
Yxy(12.7235, 0.5591, 0.3943)
contains.

Yxy(12.7417, 0.5587, 0.3946)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7417, 0.5587, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	A64800
RGB	166, 72, 0
RGB Percent	65%, 28%, 0%
CMY	0.3491, 0.7176, 1.0000
CMYK	0.00, 0.57, 1.00, 0.35
HSL	26°, 100%, 33%
HSV	26°, 100%, 65%
XYZ	18.0405, 12.7417, 1.5080
YIQ	91.8980, 79.1360, -2.4640

Conversions

Conversions Part 2

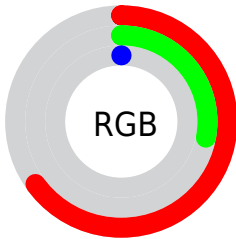
Format	Color
RYB	166, 127, 0
Decimal	10897408
CIELab	42.37, 35.75, 52.61
CIELCh	42, 63.606, 55.806
Yxy	12.7417, 0.5587, 0.3946
Android (android.graphics.Color)	4289087488 (0xFFA64800)
YUV	91.8980, -45.3057, 64.9875
Hunter-Lab	35.6955, 27.7468, 22.4822

Details

The Yxy color **12.7417, 0.5587, 0.3946** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7512, 0.1838, 0.1816**, and the grayscale version is **10.7719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9454, 0.5078, 0.3949**, and **3.6380, 0.6083, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **12.7425, 0.5587, 0.3946**, and if you desaturate by 10%, it is **14.0913, 0.5350, 0.4011**.

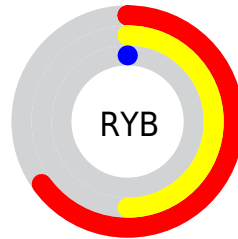
Distribution



Red (65%)

Green (28%)

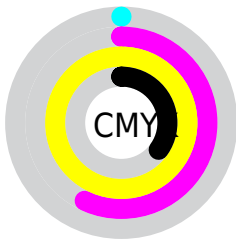
Blue (0%)



Red (65%)

Yellow (50%)

Blue (0%)

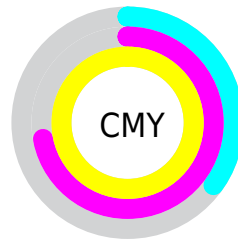


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7417, 0.5587, 0.3946 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 12.7417, 0.5587, 0.3946 by changing the saturation by 10% instead.


 12.7417, 0.5587,
0.3946


 12.7417, 0.5587,
0.3946


 209.2556, 0.4199,
0.3753


 7.2509, 0.5971,
0.3908


 30.8390, 0.5074,
0.3948

 3.6195, 0.6309,
0.3691


 44.2142, 0.4879,
0.3922


 1.4631, 0.6723,
0.3277


 60.9864, 0.4716,
0.3892

 0.2625, 0.8147,
0.1853

 81.5400, 0.4579,
0.3862

 0.0000, 1.0000,
0.0000


 106.2593, 0.4462,
0.3832

 0.0000, 0.0000,
0.0000

 135.5287, 0.4362,


0.3804

 169.7327, 0.4275,
0.3777


 12.7417, 0.5587,
0.3946


 12.7417, 0.5587,
0.3946


 12.7425, 0.5587,
0.3946

 14.0913, 0.5350,
0.4011

 15.6662, 0.5080,
0.4035

 17.4881, 0.4784,
0.4008

 19.5699, 0.4482,
0.3942

 21.9235, 0.4193,
0.3849

■ 24.5595, 0.3925,
0.3740

■ 27.4883, 0.3684,
0.3624

■ 30.7192, 0.3472,
0.3508

■ 34.2615, 0.3287,
0.3396

Harmonies

Analogous

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



12.7417, 0.5541, 0.3152



12.7417, 0.5587, 0.3946



12.7417, 0.4882, 0.4862

Triad

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



12.7417, 0.5587, 0.3946



12.7417, 0.1697, 0.4269



12.7417, 0.1998, 0.1537

Complementary

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



12.7417, 0.5587, 0.3946



10.7512, 0.1838, 0.1816

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.



12.7417, 0.1358, 0.1511



12.7417, 0.5587, 0.3946



12.7417, 0.1185, 0.2706

Square

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



12.7417, 0.5587, 0.3946



12.7417, 0.2668, 0.5675



12.7417, 0.1102, 0.1837



12.7417, 0.3117, 0.1855

Rectangle

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



12.7417, 0.5587, 0.3946



12.7417, 0.4188, 0.5457



12.7417, 0.1102, 0.1837



12.7417, 0.1735, 0.1495

Sweetspot

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



12.7425, 0.5587, 0.3946



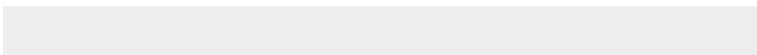
49.5895, 0.3697, 0.3631



8.9143, 0.4664, 0.2343



10.6027, 0.3792, 0.3678



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.7425, 0.5587, 0.3946



22.7275, 0.5617, 0.3922



31.5202, 0.4314, 0.4957



8.0577, 0.3275, 0.3388



9.9731, 0.5571, 0.3958



0.3451, 0.5011, 0.4403

Inverse Universe

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



10.7512, 0.1838, 0.1816



19.0887, 0.1830, 0.1788



2.9934, 0.1513, 0.0647



7.9787, 0.2987, 0.3190



8.4331, 0.1842, 0.1830



0.3041, 0.1990, 0.2365

Previews

White Background



This preview shows how the Yxy color 12.7417, 0.5587, 0.3946 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 12.7417, 0.5587, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 12.7417, 0.5587, 0.3946.



This preview shows how white text looks on a background with the Yxy color 12.7417, 0.5587, 0.3946.

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

12.7417, 0.5587, 0.3946

Protanopia

12.9222, 0.4332, 0.4790

Deuteranopia

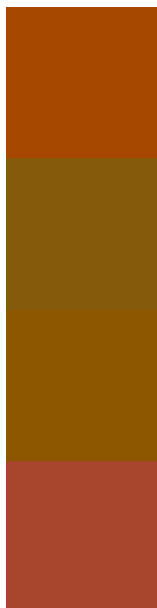
12.8778, 0.4684, 0.4663



Tritanopia

12.7941, 0.4884, 0.3239

Trichromacy



Original Color

12.7417, 0.5587, 0.3946

Protanomaly

12.3208, 0.4838, 0.4454

Deuteranomaly

12.4791, 0.5046, 0.4375

Tritanomaly

12.6612, 0.5274, 0.3602

Monochromacy



Original Color

12.7417, 0.5587, 0.3946

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7347, 0.4163, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7417, 0.5587, 0.3946 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(166, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 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(166, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7417, 0.5587, 0.3946 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(166, 72, 0) }
```

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

```
.border{ border-color:rgb(166, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7417, 0.5587, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 0) }
```

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

```
.background{ background-color: rgb(166, 72,  
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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