

Converting Colors

$Y_{xy}(13.7663, 0.5099, 0.4334)$

Have a look what the booklet for
Yxy(13.7663, 0.5099, 0.4334)
contains.

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Color

Yxy(13.7964, 0.5099, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	965A00
RGB	150, 90, 0
RGB Percent	59%, 35%, 0%
CMY	0.4117, 0.6471, 0.9998
CMYK	0.00, 0.40, 1.00, 0.41
HSL	36°, 100%, 29%
HSV	36°, 100%, 59%
XYZ	16.2354, 13.7964, 1.8085
YIQ	97.6800, 64.6500, -15.2700

Conversions

Conversions Part 2

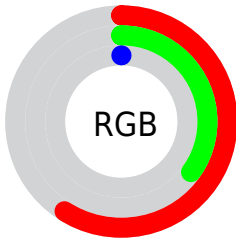
Format	Color
RYB	100, 150, 0
Decimal	9853440
CIELab	43.94, 19.06, 52.31
CIELCh	44, 55.680, 69.977
Yxy	13.7964, 0.5099, 0.4333
Android (android.graphics.Color)	4288043520 (0xFF965A00)
YUV	97.6800, -48.1562, 45.8846
Hunter-Lab	37.1435, 13.0209, 23.1136

Details

The Yxy color **13.7964, 0.5099, 0.4333** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4404, 0.1693, 0.1292**, and the grayscale version is **12.2420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6272, 0.4699, 0.4204**, and **4.1285, 0.5385, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **13.7938, 0.5099, 0.4333**, and if you desaturate by 10%, it is **14.8856, 0.4930, 0.4356**.

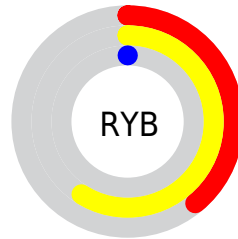
Distribution



Red (59%)

Green (35%)

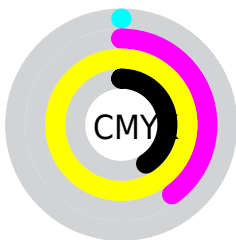
Blue (0%)



Red (39%)

Yellow (59%)

Blue (0%)

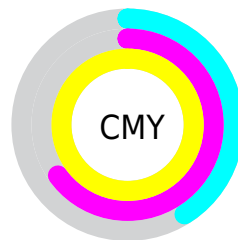


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7964, 0.5099, 0.4333 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 13.7964, 0.5099, 0.4333 by changing the saturation by 10% instead.


 13.7964, 0.5099,
0.4333


 13.7964, 0.5099,
0.4333


 215.9605, 0.4005,
0.3862


 7.9792, 0.5376,
0.4385


 32.7273, 0.4699,
0.4207


 4.0816, 0.5657,
0.4343

 46.6098, 0.4546,
0.4142


 1.7193, 0.5897,
0.4103

 63.9496, 0.4418,
0.4082

 0.4361, 0.6688,
0.3312

 85.1310, 0.4309,
0.4027


 0.0000, 0.0000,
0.0000

 110.5383, 0.4216,
0.3979

 140.5561, 0.4135,

0.3935


 175.5687, 0.4066,
0.3896


 13.7964, 0.5099,
0.4333


 13.7964, 0.5099,
0.4333


 13.7938, 0.5099,
0.4333

 14.8856, 0.4930,
0.4356

 16.0826, 0.4740,
0.4340

 17.4015, 0.4526,
0.4276

 18.8487, 0.4299,
0.4174

 20.4298, 0.4071,
0.4044

■ 22.1499, 0.3851,
0.3896

■ 24.0137, 0.3644,
0.3742

■ 26.0257, 0.3453,
0.3586

■ 28.1899, 0.3281,
0.3434

Harmonies

Analogous

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



13.7964, 0.5355, 0.3562



13.7964, 0.5099, 0.4333



13.7964, 0.4325, 0.5101

Triad

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



13.7964, 0.5099, 0.4333



13.7964, 0.1609, 0.3463



13.7964, 0.2562, 0.1827

Complementary

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



13.7964, 0.5099, 0.4333



5.4404, 0.1693, 0.1292

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.



13.7964, 0.1778, 0.1676



13.7964, 0.5099, 0.4333



13.7964, 0.1314, 0.2376

Square

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



13.7964, 0.5099, 0.4333



13.7964, 0.2326, 0.4825



13.7964, 0.1379, 0.1826



13.7964, 0.3704, 0.2241

Rectangle

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



13.7964, 0.5099, 0.4333



13.7964, 0.3669, 0.5433



13.7964, 0.1379, 0.1826



13.7964, 0.2255, 0.1746

Sweetspot

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



13.7971, 0.5099, 0.4333



42.1609, 0.3656, 0.3751



6.8396, 0.5270, 0.2677



9.0613, 0.3733, 0.3810



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.



13.7971, 0.5099, 0.4333



23.9906, 0.5121, 0.4316



27.1775, 0.4050, 0.5166



6.3591, 0.3268, 0.3423



11.5026, 0.5091, 0.4340



0.1986, 0.4612, 0.4720

Inverse Universe

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



5.4404, 0.1693, 0.1292



9.2716, 0.1683, 0.1257



2.2855, 0.1533, 0.0619



5.9912, 0.2989, 0.3154



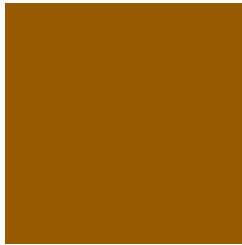
4.5685, 0.1696, 0.1305



0.1110, 0.1926, 0.2133

Previews

White Background



This preview shows how the Yxy color 13.7964, 0.5099, 0.4333 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



This preview shows how the Yxy color 13.7964, 0.5099, 0.4333 looks on a 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 13.7964, 0.5099, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 13.7964, 0.5099, 0.4333.



This preview shows how white text looks on a background with the Yxy color 13.7964, 0.5099, 0.4333.

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

13.7964, 0.5099, 0.4333

Protanopia

13.9789, 0.4352, 0.4835

Deuteranopia

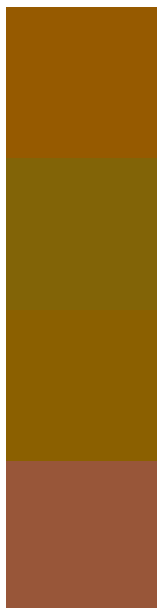
13.8292, 0.4700, 0.4650



Tritanopia

13.8511, 0.4183, 0.3192

Trichromacy



Original Color

13.7964, 0.5099, 0.4333

Protanomaly

13.8755, 0.4627, 0.4652

Deuteranomaly

13.8547, 0.4850, 0.4531

Tritanomaly

13.6264, 0.4694, 0.3759

Monochromacy



Original Color

13.7964, 0.5099, 0.4333

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.3141, 0.3980, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7964, 0.5099, 0.4333 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(150, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 90, 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(150, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7964, 0.5099, 0.4333 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(150, 90, 0) }
```

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

```
.border{ border-color:rgb(150, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7964, 0.5099, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 90, 0) }
```

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

```
.background{ background-color: rgb(150, 90,  
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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