

Converting Colors

$Y_{xy}(13.7006, 0.4952, 0.4357)$

Have a look what the booklet for
Yxy(13.7006, 0.4952, 0.4357)
contains.

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Color

Yxy(13.7006, 0.4952, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	915C0C
RGB	145, 92, 12
RGB Percent	57%, 36%, 5%
CMY	0.4314, 0.6392, 0.9528
CMYK	0.00, 0.37, 0.92, 0.43
HSL	36°, 85%, 31%
HSV	36°, 92%, 57%
XYZ	15.5716, 13.7006, 2.1729
YIQ	98.7270, 57.2680, -13.6440

Conversions

Conversions Part 2

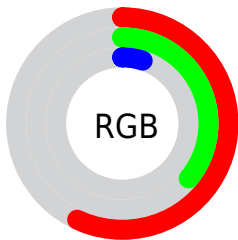
Format	Color
R_{YB}	100, 145, 12
Decimal	9526284
CIE Lab	43.80, 15.83, 48.86
CIE LCh	44, 51.357, 72.047
Yxy	13.7006, 0.4952, 0.4357
Android (android.graphics.Color)	4287716364 (0xFF915C0C)
YUV	98.7270, -42.7564, 40.5814
Hunter-Lab	37.0143, 10.3182, 22.4295

Details

The Yxy color **13.7006, 0.4952, 0.4357** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9091, 0.1762, 0.1455**, and the grayscale version is **12.5055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4359, 0.4566, 0.4197**, and **4.0778, 0.5258, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **12.8690, 0.5092, 0.4339**, and if you desaturate by 10%, it is **14.7918, 0.4767, 0.4348**.

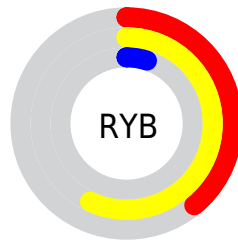
Distribution



Red (57%)

Green (36%)

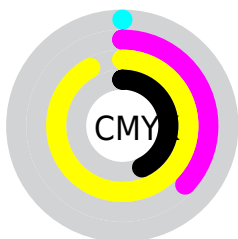
Blue (5%)



Red (39%)

Yellow (57%)

Blue (5%)

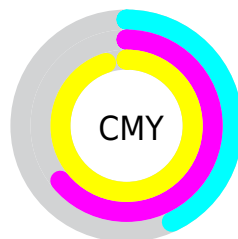


Cyan (0%)

Magenta (37%)

Yellow (92%)

Black (43%)



Cyan (43%)


Magenta (64%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7006, 0.4952, 0.4357 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 13.7006, 0.4952, 0.4357 by changing the saturation by 10% instead.


 13.7006, 0.4952,
0.4357


 13.7006, 0.4952,
0.4357


215.3602, 0.3927,
0.3842


 7.9127, 0.5207,
0.4425


 32.5568, 0.4571,
0.4202


 4.0392, 0.5533,
0.4467

 46.3940, 0.4427,
0.4130


 1.6955, 0.5739,
0.4261

 63.6830, 0.4308,
0.4067

 0.4207, 0.6514,
0.3486

 84.8083, 0.4207,
0.4010


 0.0000, 0.0000,
0.0000


 110.1543, 0.4121,
0.3960


 140.1053, 0.4047,


0.3916


 175.0459, 0.3983,
0.3877


 13.7006, 0.4952,
0.4357


 13.7006, 0.4952,
0.4357


 12.8690, 0.5092,
0.4339

 14.7918, 0.4767,
0.4348

 15.9933, 0.4557,
0.4291

 17.3118, 0.4333,
0.4194

 18.7526, 0.4106,
0.4067

 20.3203, 0.3885,
0.3922

■ 22.0193, 0.3676,
0.3768

■ 23.8538, 0.3484,
0.3612

■ 25.8275, 0.3309,
0.3460

■ 27.9442, 0.3152,
0.3314

Harmonies

Analogous

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



13.7006, 0.5209, 0.3623



13.7006, 0.4952, 0.4357



13.7006, 0.4218, 0.5041

Triad

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



13.7006, 0.4952, 0.4357



13.7006, 0.1675, 0.3377



13.7006, 0.2670, 0.1929

Complementary

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



13.7006, 0.4952, 0.4357



5.9091, 0.1762, 0.1455

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.



13.7006, 0.1899, 0.1768



13.7006, 0.4952, 0.4357



13.7006, 0.1410, 0.2398

Square

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



13.7006, 0.4952, 0.4357



13.7006, 0.2336, 0.4616



13.7006, 0.1491, 0.1897



13.7006, 0.3746, 0.2341

Rectangle

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



13.7006, 0.4952, 0.4357



13.7006, 0.3597, 0.5292



13.7006, 0.1491, 0.1897



13.7006, 0.2372, 0.1846

Sweetspot

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



13.7013, 0.4952, 0.4357



40.4256, 0.3614, 0.3720



6.6686, 0.5090, 0.2658



8.7177, 0.3692, 0.3780



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.7013, 0.4952, 0.4357



22.6971, 0.5115, 0.4321



25.1613, 0.4013, 0.5136



5.9294, 0.3268, 0.3422



11.0888, 0.5085, 0.4345



0.1492, 0.4610, 0.4722

Inverse Universe

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



5.9091, 0.1762, 0.1455



8.7238, 0.1682, 0.1256



2.5195, 0.1608, 0.0717



5.5858, 0.2990, 0.3154



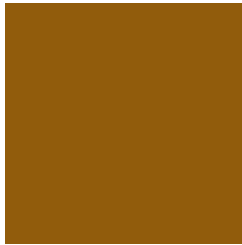
4.3804, 0.1696, 0.1304



0.0830, 0.1925, 0.2129

Previews

White Background



This preview shows how the Yxy color 13.7006, 0.4952, 0.4357 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 13.7006, 0.4952, 0.4357 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 13.7006, 0.4952, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 13.7006, 0.4952, 0.4357.



This preview shows how white text looks on a background with the Yxy color 13.7006, 0.4952, 0.4357.

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

13.7006, 0.4952, 0.4357

Protanopia

13.7199, 0.4331, 0.4800

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.8178, 0.4074, 0.3189

Trichromacy



Original Color

13.7006, 0.4952, 0.4357

Protanomaly

13.6609, 0.4550, 0.4640

Deuteranomaly

13.6929, 0.4807, 0.4533

Tritanomaly

13.6342, 0.4524, 0.3716

Monochromacy



Original Color

13.7006, 0.4952, 0.4357

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4840, 0.3881, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7006, 0.4952, 0.4357 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(145, 92, 12)` looks like.

```
.text, #text, p{  
  color:rgb(145, 92, 12)  
}
```

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(145, 92, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 92, 12) }
```

Border

The CSS property to change the border of an element to Yxy 13.7006, 0.4952, 0.4357 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(145, 92, 12) }
```

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

```
.border{ border-color:rgb(145, 92, 12) }
```

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

Here you see how a box with a 4 pixel rgb(145, 92, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 92, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 92, 12);  
box-shadow:4px 4px 4px 4px rgb(145, 92,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7006, 0.4952, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 92, 12) }
```

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

```
.background{ background-color: rgb(145, 92,  
12) }
```

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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