

Converting Colors

$Y_{xy}(13.7642, 0.5382, 0.3787)$

Have a look what the booklet for
Yxy(13.7642, 0.5382, 0.3787)
contains.

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Color

Yxy(13.7944, 0.5382, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	AB4B20
RGB	171, 75, 32
RGB Percent	67%, 29%, 13%
CMY	0.3294, 0.7059, 0.8743
CMYK	0.00, 0.56, 0.81, 0.33
HSL	19°, 68%, 40%
HSV	19°, 81%, 67%
XYZ	19.5733, 13.7944, 3.0004
YIQ	98.8020, 71.0190, 6.9790

Conversions

Conversions Part 2

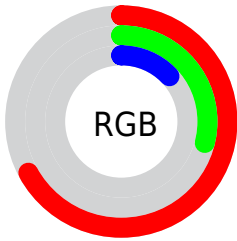
Format	Color
RYB	171, 94, 32
Decimal	11225888
CIELab	43.94, 36.92, 42.93
CIElCh	44, 56.620, 49.306
Yxy	13.7944, 0.5382, 0.3793
Android (android.graphics.Color)	4289415968 (0xFFAB4B20)
YUV	98.8020, -32.9334, 63.3176
Hunter-Lab	37.1408, 29.0734, 21.2089

Details

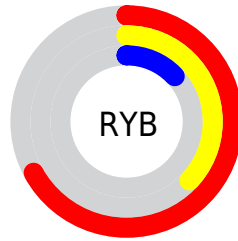
The Yxy color **13.7944, 0.5382, 0.3793** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.7006, 0.2071, 0.2471**, and the grayscale version is **12.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6567, 0.4876, 0.3775**, and **4.0980, 0.6080, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **12.2684, 0.5697, 0.3744**, and if you desaturate by 10%, it is **15.6678, 0.5027, 0.3797**.

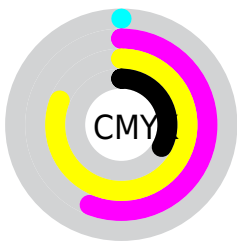
Distribution



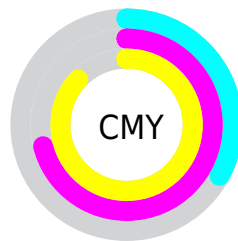
- Red (67%)
- Green (29%)
- Blue (13%)



- Red (67%)
- Yellow (37%)
- Blue (13%)



- Cyan (0%)
- Magenta (56%)
- Yellow (81%)
- Black (33%)



- Cyan (33%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7944, 0.5382, 0.3793 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 13.7944, 0.5382, 0.3793 by changing the saturation by 10% instead.


 13.7944, 0.5382,
0.3793


 13.7944, 0.5382,
0.3793

215.9480, 0.4077,
0.3631


 7.9778, 0.5733,
0.3752


 32.7238, 0.4876,
0.3780


 4.0808, 0.6300,
0.3700

 46.6053, 0.4694,
0.3759


 1.7188, 0.6691,
0.3309

 63.9440, 0.4543,
0.3735

 0.4358, 0.7639,
0.2361

 85.1242, 0.4418,
0.3712

 0.0000, 1.0000,
0.0000

 110.5303, 0.4312,
0.3689

 0.0000, 0.0000,
0.0000


 140.5467, 0.4222,

0.3668


 175.5578, 0.4144,
0.3649

 13.7944, 0.5382,
0.3793

 13.7944, 0.5382,
0.3793


 12.2684, 0.5697,
0.3744


 15.6678, 0.5027,
0.3797

 11.1923, 0.5929,
0.3674

 17.9083, 0.4667,
0.3762

 20.5362, 0.4325,
0.3701

 23.5698, 0.4015,
0.3625

 27.0261, 0.3745,
0.3542

■ 30.9210, 0.3512,
0.3457

■ 35.2696, 0.3314,
0.3376

■ 40.0862, 0.3146,
0.3299

■ 45.3845, 0.3005,
0.3228

Harmonies

Analogous

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



13.7944, 0.5111, 0.3060



13.7944, 0.5382, 0.3793



13.7944, 0.4918, 0.4591

Triad

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



13.7944, 0.5382, 0.3793



13.7944, 0.2042, 0.4447



13.7944, 0.1962, 0.1674

Complementary

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



13.7944, 0.5382, 0.3793



18.7006, 0.2071, 0.2471

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.



13.7944, 0.1446, 0.1723



13.7944, 0.5382, 0.3793



13.7944, 0.1451, 0.3060

Square

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



13.7944, 0.5382, 0.3793



13.7944, 0.2994, 0.5434



13.7944, 0.1277, 0.2134



13.7944, 0.2882, 0.1912

Rectangle

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



13.7944, 0.5382, 0.3793



13.7944, 0.4355, 0.5106



13.7944, 0.1277, 0.2134



13.7944, 0.1748, 0.1656

Sweetspot

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



13.7952, 0.5382, 0.3793



53.0804, 0.3581, 0.3484



11.2876, 0.3906, 0.2070



11.2972, 0.3662, 0.3513



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.7952, 0.5382, 0.3793



20.1040, 0.5912, 0.3669



28.4730, 0.4424, 0.4681



8.4042, 0.3279, 0.3361



8.5205, 0.5912, 0.3688



0.3356, 0.5319, 0.4159

Inverse Universe

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



18.7006, 0.2071, 0.2471



28.6197, 0.1964, 0.2259



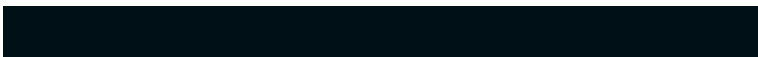
6.4628, 0.1728, 0.1169



8.6480, 0.2986, 0.3218



12.1061, 0.1963, 0.2266



0.4280, 0.2059, 0.2613

Previews

White Background



This preview shows how the Yxy color 13.7944, 0.5382, 0.3793 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 13.7944, 0.5382, 0.3793 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 13.7944, 0.5382, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 13.7944, 0.5382, 0.3793.



This preview shows how white text looks on a background with the Yxy color 13.7944, 0.5382, 0.3793.

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

13.7944, 0.5382, 0.3793

Protanopia

14.0383, 0.4139, 0.4550

Deuteranopia

13.8911, 0.4593, 0.4514



Tritanopia

13.8987, 0.4838, 0.3240

Trichromacy



Original Color

13.7944, 0.5382, 0.3793

Protanomaly

13.4573, 0.4624, 0.4247

Deuteranomaly

13.4979, 0.4913, 0.4225

Tritanomaly

13.7212, 0.5085, 0.3468

Monochromacy



Original Color

13.7944, 0.5382, 0.3793

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1803, 0.3952, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7944, 0.5382, 0.3793 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(171, 75, 32)` looks like.

```
.text, #text, p{  
    color:rgb(171, 75, 32)  
}
```

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(171, 75, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 75, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.7944, 0.5382, 0.3793 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(171, 75, 32) }
```

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

```
.border{ border-color:rgb(171, 75, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 75, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 75, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 75, 32);  
box-shadow:4px 4px 4px 4px rgb(171, 75,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7944, 0.5382, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 75, 32) }
```

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

```
.background{ background-color: rgb(171, 75,  
32) }
```

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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