

Converting Colors

$Y_{xy}(13.9320, 0.5294, 0.3788)$

Have a look what the booklet for
Yxy(13.9320, 0.5294, 0.3788)
contains.

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Color

Yxy(13.9874, 0.5292, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	AA4D25
RGB	170, 77, 37
RGB Percent	67%, 30%, 15%
CMY	0.3333, 0.6980, 0.8548
CMYK	0.00, 0.55, 0.78, 0.33
HSL	18°, 64%, 41%
HSV	18°, 78%, 67%
XYZ	19.5668, 13.9874, 3.4201
YIQ	100.2470, 68.2680, 7.2760

Conversions

Conversions Part 2

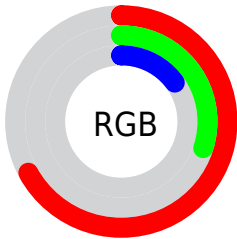
Format	Color
RYB	170, 94, 37
Decimal	11160869
CIELab	44.21, 35.69, 40.71
CIELCh	44, 54.140, 48.766
Yxy	13.9874, 0.5292, 0.3783
Android (android.graphics.Color)	4289350949 (0xFFAA4D25)
YUV	100.2470, -31.1808, 61.1734
Hunter-Lab	37.3997, 27.9383, 20.7579

Details

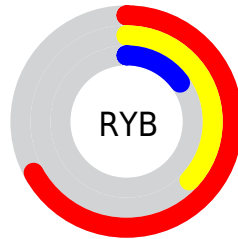
The Yxy color **13.9874, 0.5292, 0.3783** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.2682, 0.2101, 0.2529**, and the grayscale version is **12.8793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0674, 0.4810, 0.3763**, and **4.2286, 0.6022, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **12.3906, 0.5626, 0.3747**, and if you desaturate by 10%, it is **15.9396, 0.4929, 0.3775**.

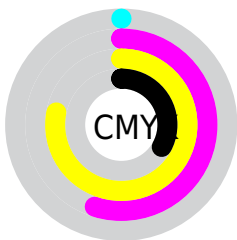
Distribution



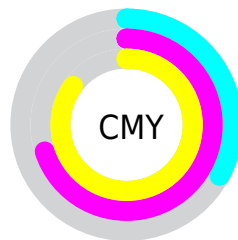
- Red (67%)
- Green (30%)
- Blue (15%)



- Red (67%)
- Yellow (37%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (78%)
- Black (33%)



- Cyan (33%)
- Magenta (70%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9874, 0.5292, 0.3783 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 13.9874, 0.5292, 0.3783 by changing the saturation by 10% instead.


 13.9874, 0.5292,
0.3783


 13.9874, 0.5292,
0.3783


217.1524, 0.4033,
0.3612


 8.1119, 0.5639,
0.3753


 33.0667, 0.4800,
0.3761

 4.1666, 0.6210,
0.3726

 47.0392, 0.4624,
0.3738


 1.7672, 0.6628,
0.3372

 64.4796, 0.4480,
0.3714

 0.4666, 0.7512,
0.2488

 85.7722, 0.4360,
0.3691

 0.0000, 1.0000,
0.0000

 111.3014, 0.4258,
0.3669

 0.0000, 0.0000,
0.0000

 141.4515, 0.4172,

0.3648

176.6071, 0.4098,
0.3630

13.9874, 0.5292,
0.3783

13.9874, 0.5292,
0.3783

12.3906, 0.5626,
0.3747

15.9396, 0.4929,
0.3775

11.1198, 0.5903,
0.3671

18.2664, 0.4568,
0.3733

10.9242, 0.5950,
0.3658

20.9881, 0.4232,
0.3669

24.1227, 0.3932,
0.3592

27.6871, 0.3671,
0.3510

■ 31.6973, 0.3449,
0.3428

■ 36.1682, 0.3260,
0.3350

■ 41.1142, 0.3101,
0.3277

■ 46.5491, 0.2966,
0.3210

Harmonies

Analogous

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



13.9874, 0.5007, 0.3068



13.9874, 0.5292, 0.3783



13.9874, 0.4873, 0.4549

Triad

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



13.9874, 0.5292, 0.3783



13.9874, 0.2109, 0.4409



13.9874, 0.1997, 0.1729

Complementary

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



13.9874, 0.5292, 0.3783



19.2682, 0.2101, 0.2529

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.



13.9874, 0.1499, 0.1786



13.9874, 0.5292, 0.3783



13.9874, 0.1523, 0.3101

Square

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



13.9874, 0.5292, 0.3783



13.9874, 0.3034, 0.5326



13.9874, 0.1341, 0.2199



13.9874, 0.2878, 0.1956

Rectangle

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



13.9874, 0.5292, 0.3783



13.9874, 0.4342, 0.5034



13.9874, 0.1341, 0.2199



13.9874, 0.1790, 0.1714

Sweetspot

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



13.9882, 0.5292, 0.3783



53.6268, 0.3560, 0.3470



11.4857, 0.3868, 0.2088



11.3997, 0.3641, 0.3499



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.



13.9882, 0.5292, 0.3783



20.7055, 0.5835, 0.3690



28.4485, 0.4388, 0.4658



7.8964, 0.3278, 0.3358



8.1227, 0.5930, 0.3673



0.2861, 0.5300, 0.4174

Inverse Universe

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



19.2682, 0.2101, 0.2529



30.2035, 0.1990, 0.2333



6.9197, 0.1768, 0.1244



8.1456, 0.2987, 0.3221



11.9223, 0.1972, 0.2298



0.3732, 0.2073, 0.2664

Previews

White Background



This preview shows how the Yxy color 13.9874, 0.5292, 0.3783 looks on a white background.

Color Contrast Check

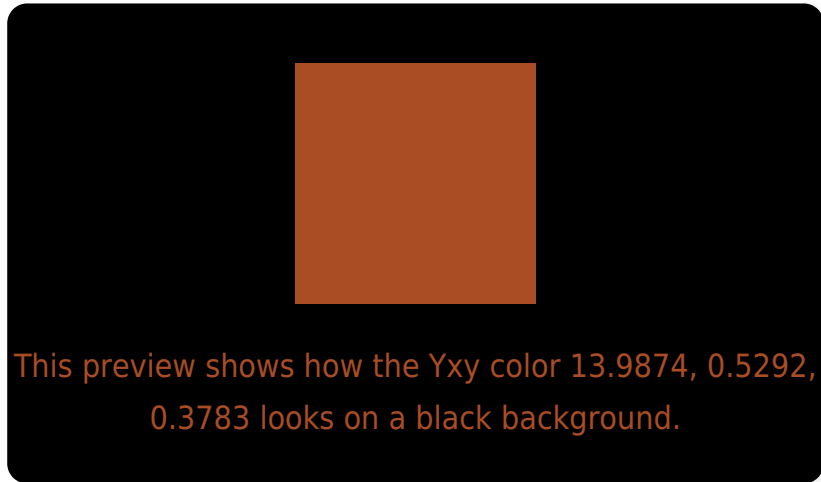
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9874, 0.5292, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 13.9874, 0.5292, 0.3783.



This preview shows how white text looks on a background with the Yxy color 13.9874, 0.5292, 0.3783.

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

13.9874, 0.5292, 0.3783

Protanopia

14.0745, 0.4089, 0.4474

Deuteranopia

14.1136, 0.4525, 0.4464



Tritanopia

14.0716, 0.4772, 0.3238

Trichromacy



Original Color

13.9874, 0.5292, 0.3783

Protanomaly

13.5858, 0.4541, 0.4208

Deuteranomaly

13.8751, 0.4819, 0.4191

Tritanomaly

13.9033, 0.5004, 0.3459

Monochromacy



Original Color

13.9874, 0.5292, 0.3783

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.5501, 0.3904, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9874, 0.5292, 0.3783 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(170, 77, 37)` looks like.

```
.text, #text, p{  
    color:rgb(170, 77, 37)  
}
```

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(170, 77, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 37) }
```

Border

The CSS property to change the border of an element to Yxy 13.9874, 0.5292, 0.3783 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(170, 77, 37) }
```

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

```
.border{ border-color:rgb(170, 77, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 77, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 37);  
box-shadow:4px 4px 4px 4px rgb(170, 77,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9874, 0.5292, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 37) }
```

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

```
.background{ background-color: rgb(170, 77,  
37) }
```

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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