

Converting Colors

$Y_{xy}(13.5124, 0.5400, 0.4176)$

Have a look what the booklet for
Yxy(13.5124, 0.5400, 0.4176)
contains.

Yxy(13.5082, 0.5355, 0.4130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.5082, 0.5355, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	A05200
RGB	160, 82, 0
RGB Percent	63%, 32%, 0%
CMY	0.3725, 0.6784, 1.0000
CMYK	0.00, 0.49, 1.00, 0.37
HSL	31°, 100%, 31%
HSV	31°, 100%, 63%
XYZ	17.5149, 13.5082, 1.6844
YIQ	95.9740, 72.8100, -8.9660

Conversions

Conversions Part 2

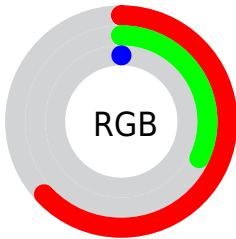
Format	Color
RYB	152, 160, 0
Decimal	10506752
CIELab	43.52, 27.98, 52.79
CIElCh	44, 59.742, 62.073
Yxy	13.5082, 0.5355, 0.4130
Android (android.graphics.Color)	4288696832 (0xFFA05200)
YUV	95.9740, -47.3152, 56.1508
Hunter-Lab	36.7535, 20.7455, 23.0102

Details

The Yxy color **13.5082, 0.5355, 0.4130** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9883, 0.1765, 0.1555**, and the grayscale version is **11.7953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1802, 0.4904, 0.4064**, and **3.9688, 0.5745, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **13.5080, 0.5355, 0.4130**, and if you desaturate by 10%, it is **14.7905, 0.5149, 0.4177**.

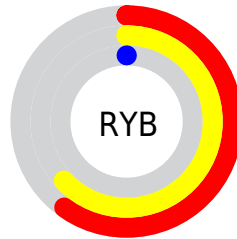
Distribution



Red (63%)

Green (32%)

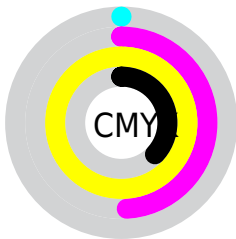
Blue (0%)



Red (60%)

Yellow (63%)

Blue (0%)

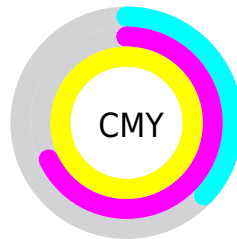


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (68%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5082, 0.5355, 0.4130 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 13.5082, 0.5355, 0.4130 by changing the saturation by 10% instead.


 13.5082, 0.5355,
0.4130


 13.5082, 0.5355,
0.4130


 214.1495, 0.4110,
0.3806


 7.7794, 0.5683,
0.4132


 32.2138, 0.4897,
0.4072


 3.9541, 0.6000,
0.4000

 45.9594, 0.4723,
0.4028


 1.6479, 0.6331,
0.3669

 63.1461, 0.4577,
0.3984

 0.3896, 0.7334,
0.2666

 84.1583, 0.4453,
0.3942


 0.0000, 1.0000,
0.0000


 109.3803, 0.4348,
0.3903

 0.0000, 0.0000,
0.0000


 139.1966, 0.4257,


0.3868

 173.9915, 0.4178,
0.3835


 13.5082, 0.5355,
0.4130


 13.5082, 0.5355,
0.4130

 13.5080, 0.5355,
0.4130

 14.7905, 0.5149,
0.4177

 16.2396, 0.4917,
0.4183

 17.8731, 0.4660,
0.4139

 19.7001, 0.4395,
0.4055

 21.7292, 0.4135,
0.3944

■ 23.9679, 0.3890,
0.3816

■ 26.4235, 0.3666,
0.3681

■ 29.1025, 0.3464,
0.3546

■ 32.0115, 0.3285,
0.3414

Harmonies

Analogous

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



13.5082, 0.5455, 0.3344



13.5082, 0.5355, 0.4130



13.5082, 0.4619, 0.4984

Triad

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



13.5082, 0.5355, 0.4130



13.5082, 0.1659, 0.3863



13.5082, 0.2257, 0.1674

Complementary

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



13.5082, 0.5355, 0.4130



7.9883, 0.1765, 0.1555

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.



13.5082, 0.1551, 0.1591



13.5082, 0.5355, 0.4130



13.5082, 0.1249, 0.2542

Square

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



13.5082, 0.5355, 0.4130



13.5082, 0.2513, 0.5277



13.5082, 0.1233, 0.1834



13.5082, 0.3393, 0.2036

Rectangle

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



13.5082, 0.5355, 0.4130



13.5082, 0.3949, 0.5469



13.5082, 0.1233, 0.1834



13.5082, 0.1973, 0.1614

Sweetspot

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



13.5089, 0.5355, 0.4130



47.7041, 0.3678, 0.3689



8.0533, 0.4936, 0.2493



10.0680, 0.3765, 0.3743



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.5089, 0.5355, 0.4130



24.1187, 0.5382, 0.4108



32.6159, 0.4193, 0.5053



7.1800, 0.3272, 0.3405



10.6109, 0.5341, 0.4141



0.2743, 0.4791, 0.4578

Inverse Universe

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



7.9883, 0.1765, 0.1555



14.0993, 0.1756, 0.1522



2.5384, 0.1500, 0.0600



6.9423, 0.2988, 0.3173



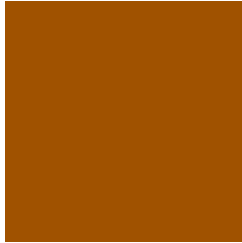
6.3097, 0.1770, 0.1571



0.1973, 0.1971, 0.2297

Previews

White Background



This preview shows how the Yxy color 13.5082, 0.5355, 0.4130 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 13.5082, 0.5355, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 13.5082, 0.5355, 0.4130.



This preview shows how white text looks on a background with the Yxy color 13.5082, 0.5355, 0.4130.

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

13.5082, 0.5355, 0.4130

Protanopia

13.7142, 0.4340, 0.4814

Deuteranopia

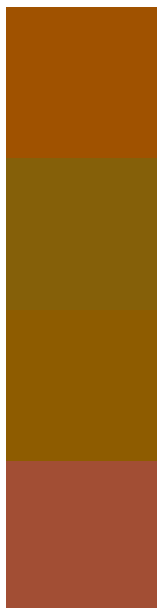
13.5607, 0.4704, 0.4647



Tritanopia

13.5646, 0.4535, 0.3202

Trichromacy



Original Color

13.5082, 0.5355, 0.4130

Protanomaly

13.3720, 0.4732, 0.4551

Deuteranomaly

13.4051, 0.4963, 0.4441

Tritanomaly

13.3781, 0.5000, 0.3666

Monochromacy



Original Color

13.5082, 0.5355, 0.4130

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7410, 0.4068, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5082, 0.5355, 0.4130 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(160, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 82, 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(160, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 82, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5082, 0.5355, 0.4130 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(160, 82, 0) }
```

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

```
.border{ border-color:rgb(160, 82, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 82, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 82, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5082, 0.5355, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 82, 0) }
```

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

```
.background{ background-color: rgb(160, 82,  
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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