

Converting Colors

$Y_{xy}(13.6353, 0.5069, 0.4061)$

Have a look what the booklet for
Yxy(13.6353, 0.5069, 0.4061)
contains.

Yxy(13.7128, 0.5066, 0.4070)	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(13.7128, 0.5066, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	9B561D
RGB	155, 86, 29
RGB Percent	61%, 34%, 11%
CMY	0.3921, 0.6628, 0.8862
CMYK	0.00, 0.45, 0.81, 0.39
HSL	27°, 68%, 36%
HSV	27°, 81%, 61%
XYZ	17.0686, 13.7128, 2.9110
YIQ	100.1330, 59.4210, -3.0990

Conversions

Conversions Part 2

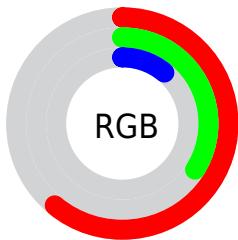
Format	Color
R_{YB}	155, 133, 29
Decimal	10180125
CIE Lab	43.82, 24.25, 43.33
CIE LCh	44, 49.658, 60.763
Yxy	13.7128, 0.5066, 0.4070
Android (android.graphics.Color)	4288370205 (0xFF9B561D)
YUV	100.1330, -35.0686, 48.1184
Hunter-Lab	37.0308, 17.4719, 21.2607

Details

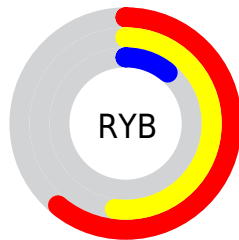
The Yxy color **13.7128, 0.5066, 0.4070** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.3700, 0.1970, 0.2075**, and the grayscale version is **12.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4545, 0.4632, 0.3966**, and **4.0477, 0.5601, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **12.3789, 0.5323, 0.4046**, and if you desaturate by 10%, it is **15.2479, 0.4782, 0.4044**.

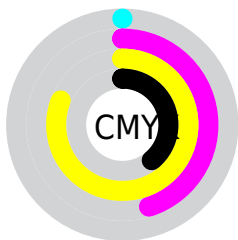
Distribution



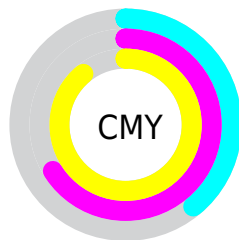
- Red (61%)
- Green (34%)
- Blue (11%)



- Red (61%)
- Yellow (52%)
- Blue (11%)



- Cyan (0%)
- Magenta (45%)
- Yellow (81%)
- Black (39%)





- Cyan (39%)
- Magenta (66%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7128, 0.5066, 0.4070 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 13.7128, 0.5066, 0.4070 by changing the saturation by 10% instead.


 13.7128, 0.5066,
0.4070


 13.7128, 0.5066,
0.4070


215.4368, 0.3948,
0.3718


 7.9212, 0.5364,
0.4094


 32.5786, 0.4634,
0.3974


 4.0446, 0.5856,
0.4144

 46.4215, 0.4477,
0.3926


 1.6985, 0.6149,
0.3851

 63.7170, 0.4349,
0.3881

 0.4227, 0.7036,
0.2964


 84.8495, 0.4241,
0.3841

 0.0000, 0.0000,
0.0000

 110.2033, 0.4150,
0.3805


 140.1628, 0.4073,


0.3773

 175.1125, 0.4006,
0.3744

 13.7128, 0.5066,
0.4070


 13.7128, 0.5066,
0.4070


 12.3789, 0.5323,
0.4046


 15.2479, 0.4782,
0.4044

 11.3623, 0.5525,
0.3995

 16.9924, 0.4490,
0.3977

 18.9565, 0.4207,
0.3882

 21.1489, 0.3944,
0.3771

 23.5776, 0.3705,
0.3651

■ 26.2504, 0.3494,
0.3531

■ 29.1744, 0.3308,
0.3414

■ 32.3566, 0.3146,
0.3304

■ 35.8036, 0.3006,
0.3200

Harmonies

Analogous

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



13.7128, 0.5065, 0.3366



13.7128, 0.5066, 0.4070



13.7128, 0.4502, 0.4773

Triad

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



13.7128, 0.5066, 0.4070



13.7128, 0.1917, 0.3831



13.7128, 0.2361, 0.1874

Complementary

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



13.7128, 0.5066, 0.4070



11.3700, 0.1970, 0.2075

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.



13.7128, 0.1742, 0.1819



13.7128, 0.5066, 0.4070



13.7128, 0.1509, 0.2732

Square

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



13.7128, 0.5066, 0.4070



13.7128, 0.2690, 0.4915



13.7128, 0.1465, 0.2072



13.7128, 0.3317, 0.2190

Rectangle

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



13.7128, 0.5066, 0.4070



13.7128, 0.3943, 0.5129



13.7128, 0.1465, 0.2072



13.7128, 0.2115, 0.1825

Sweetspot

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



13.7135, 0.5066, 0.4070



45.4303, 0.3558, 0.3569



8.7371, 0.4328, 0.2337



9.9214, 0.3629, 0.3609



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.7135, 0.5066, 0.4070



20.3720, 0.5512, 0.3986



28.4611, 0.4195, 0.4884



6.6597, 0.3273, 0.3391



9.1996, 0.5512, 0.4006



0.2088, 0.4866, 0.4518

Inverse Universe

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



11.3700, 0.1970, 0.2075



15.8899, 0.1827, 0.1764



3.8495, 0.1664, 0.0911



6.5589, 0.2989, 0.3187



7.1840, 0.1826, 0.1775



0.1800, 0.2022, 0.2479

Previews

White Background



This preview shows how the Yxy color 13.7128, 0.5066, 0.4070 looks on a white background.

Color Contrast Check

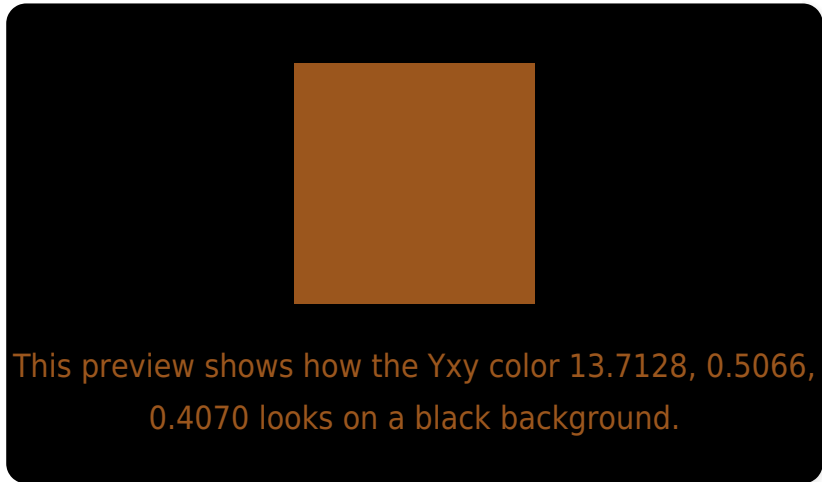
Large Text (above 18pt) WCAG AA ✓ Pass

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

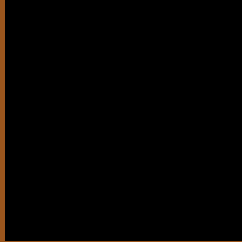
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7128, 0.5066, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 13.7128, 0.5066, 0.4070.



This preview shows how white text looks on a background with the Yxy color 13.7128, 0.5066, 0.4070.

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

13.7128, 0.5066, 0.4070

Protanopia

13.7980, 0.4208, 0.4617

Deuteranopia

13.8149, 0.4572, 0.4515



Tritanopia

13.6783, 0.4358, 0.3197

Trichromacy



Original Color

13.7128, 0.5066, 0.4070

Protanomaly

13.4790, 0.4539, 0.4403

Deuteranomaly

13.6554, 0.4766, 0.4338

Tritanomaly

13.5843, 0.4687, 0.3562

Monochromacy



Original Color

13.7128, 0.5066, 0.4070

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6719, 0.3847, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7128, 0.5066, 0.4070 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(155, 86, 29)` looks like.

```
.text, #text, p{  
    color:rgb(155, 86, 29)  
}
```

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(155, 86, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 86, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.7128, 0.5066, 0.4070 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(155, 86, 29) }
```

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

```
.border{ border-color:rgb(155, 86, 29) }
```

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

Here you see how a box with a 4 pixel rgb(155, 86, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 86, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 86, 29);  
box-shadow:4px 4px 4px 4px rgb(155, 86,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7128, 0.5066, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 86, 29) }
```

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

```
.background{ background-color: rgb(155, 86,  
29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor