

Converting Colors

$Y_{xy}(13.7058, 0.5125, 0.4134)$

Have a look what the booklet for
Yxy(13.7058, 0.5125, 0.4134)
contains.

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Color

Yxy(13.6783, 0.5128, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	9B5615
RGB	155, 86, 21
RGB Percent	61%, 34%, 8%
CMY	0.3922, 0.6627, 0.9177
CMYK	0.00, 0.45, 0.86, 0.39
HSL	29°, 76%, 35%
HSV	29°, 86%, 61%
XYZ	16.9795, 13.6783, 2.4536
YIQ	99.2210, 61.9890, -5.5870

Conversions

Conversions Part 2

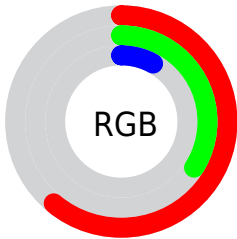
Format	Color
RYB	155, 147, 21
Decimal	10180117
CIELab	43.77, 23.98, 46.56
CIELCh	44, 52.370, 62.750
Yxy	13.6783, 0.5128, 0.4131
Android (android.graphics.Color)	4288370197 (0xFF9B5615)
YUV	99.2210, -38.5630, 48.9182
Hunter-Lab	36.9842, 17.2273, 21.9556

Details

The Yxy color **13.6783, 0.5128, 0.4131** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.8311, 0.1896, 0.1887**, and the grayscale version is **12.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3594, 0.4694, 0.4032**, and **4.0477, 0.5601, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **12.4331, 0.5352, 0.4089**, and if you desaturate by 10%, it is **15.1014, 0.4872, 0.4123**.

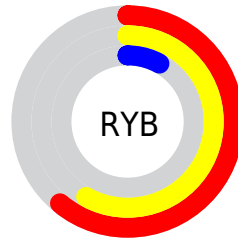
Distribution



Red (61%)

Green (34%)

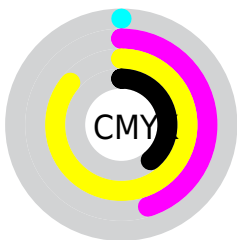
Blue (8%)



Red (61%)

Yellow (58%)

Blue (8%)

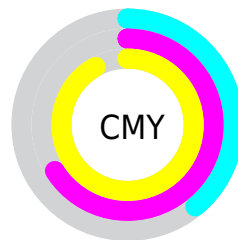


Cyan (0%)

Magenta (45%)

Yellow (86%)

Black (39%)



Cyan (39%)


Magenta (66%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6783, 0.5128, 0.4131 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 13.6783, 0.5128, 0.4131 by changing the saturation by 10% instead.


 13.6783, 0.5128,
0.4131


 13.6783, 0.5128,
0.4131


215.2202, 0.3986,
0.3759


 7.8973, 0.5421,
0.4150


 32.5171, 0.4694,
0.4034


 4.0293, 0.5847,
0.4153

 46.3437, 0.4534,
0.3983


 1.6900, 0.6138,
0.3862

 63.6209, 0.4402,
0.3936

 0.4171, 0.7035,
0.2965


 84.7331, 0.4291,
0.3892

 0.0000, 0.0000,
0.0000

 110.0648, 0.4197,
0.3853


 140.0003, 0.4117,


0.3819


 174.9239, 0.4047,
0.3787


 13.6783, 0.5128,
0.4131


 13.6783, 0.5128,
0.4131


 12.4331, 0.5352,
0.4089

 15.1014, 0.4872,
0.4123

 12.0287, 0.5430,
0.4070

 16.7116, 0.4598,
0.4069

 18.5186, 0.4323,
0.3980

 20.5305, 0.4059,
0.3868

 22.7548, 0.3815,
0.3743

■ 25.1987, 0.3595,
0.3615

■ 27.8686, 0.3399,
0.3487

■ 30.7711, 0.3227,
0.3365

■ 33.9122, 0.3076,
0.3250

Harmonies

Analogous

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



13.6783, 0.5189, 0.3400



13.6783, 0.5128, 0.4131



13.6783, 0.4496, 0.4871

Triad

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



13.6783, 0.5128, 0.4131



13.6783, 0.1814, 0.3771



13.6783, 0.2378, 0.1829

Complementary

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



13.6783, 0.5128, 0.4131



9.8311, 0.1896, 0.1887

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.



13.6783, 0.1714, 0.1751



13.6783, 0.5128, 0.4131



13.6783, 0.1426, 0.2633

Square

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



13.6783, 0.5128, 0.4131



13.6783, 0.2594, 0.4964



13.6783, 0.1407, 0.1984



13.6783, 0.3398, 0.2172

Rectangle

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



13.6783, 0.5128, 0.4131



13.6783, 0.3899, 0.5244



13.6783, 0.1407, 0.1984



13.6783, 0.2114, 0.1772

Sweetspot

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



13.6790, 0.5128, 0.4131



45.1138, 0.3596, 0.3615



8.2452, 0.4550, 0.2399



9.8834, 0.3664, 0.3657



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.



13.6790, 0.5128, 0.4131



21.1697, 0.5459, 0.4047



29.7254, 0.4177, 0.4966



6.6926, 0.3272, 0.3398



9.7384, 0.5417, 0.4081



0.2180, 0.4806, 0.4566

Inverse Universe

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



9.8311, 0.1896, 0.1887



14.0774, 0.1783, 0.1618



3.1467, 0.1596, 0.0768



6.5258, 0.2989, 0.3179



6.5604, 0.1795, 0.1663



0.1709, 0.2001, 0.2403

Previews

White Background



This preview shows how the Yxy color 13.6783, 0.5128, 0.4131 looks on a white background.

Color Contrast Check

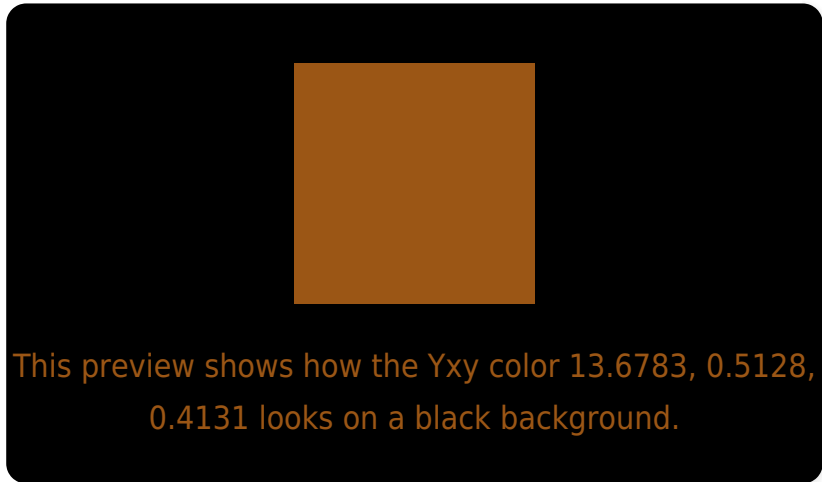
Large Text (above 18pt) WCAG AA ✓ Pass

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

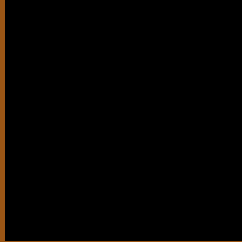
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6783, 0.5128, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 13.6783, 0.5128, 0.4131.



This preview shows how white text looks on a background with the Yxy color 13.6783, 0.5128, 0.4131.

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

13.6783, 0.5128, 0.4131

Protanopia

13.7571, 0.4271, 0.4710

Deuteranopia

13.7755, 0.4639, 0.4601



Tritanopia

13.6783, 0.4358, 0.3197

Trichromacy



Original Color

13.6783, 0.5128, 0.4131

Protanomaly

13.4406, 0.4604, 0.4484

Deuteranomaly

13.6153, 0.4837, 0.4419

Tritanomaly

13.5505, 0.4735, 0.3606

Monochromacy



Original Color

13.6783, 0.5128, 0.4131

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3823, 0.3885, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6783, 0.5128, 0.4131 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(155, 86, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 86, 21) }
```

Border

The CSS property to change the border of an element to Yxy 13.6783, 0.5128, 0.4131 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, 21) }
```

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

```
.border{ border-color:rgb(155, 86, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 86, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 86, 21);  
box-shadow:4px 4px 4px 4px rgb(155, 86,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6783, 0.5128, 0.4131 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, 21) }
```

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

```
.background{ background-color: rgb(155, 86,  
21) }
```

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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