

Converting Colors

$Y_{xy}(13.0146, 0.4967, 0.4438)$

Have a look what the booklet for
Yxy(13.0146, 0.4967, 0.4438)
contains.

Yxy(13.0576, 0.4957, 0.4446)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0576, 0.4957, 0.4446)

Conversions

Conversions Part 1

Format	Color
Hex	8C5B00
RGB	140, 91, 0
RGB Percent	55%, 36%, 0%
CMY	0.4509, 0.6432, 0.9999
CMYK	0.00, 0.35, 1.00, 0.45
HSL	39°, 100%, 27%
HSV	39°, 100%, 55%
XYZ	14.5584, 13.0576, 1.7533
YIQ	95.2770, 58.4150, -17.9130

Conversions

Conversions Part 2

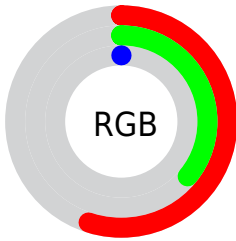
Format	Color
R_{YB}	75, 140, 0
Decimal	9198336
CIE Lab	42.85, 13.86, 50.96
CIE LCh	43, 52.812, 74.785
Yxy	13.0576, 0.4957, 0.4446
Android (android.graphics.Color)	4287388416 (0xFF8C5B00)
YUV	95.2770, -46.9716, 39.2221
Hunter-Lab	36.1353, 8.6782, 22.4179

Details

The Yxy color **13.0576, 0.4957, 0.4446** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0935, 0.1656, 0.1162**, and the grayscale version is **11.6191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3610, 0.4586, 0.4283**, and **3.7616, 0.5197, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **13.0574, 0.4957, 0.4446**, and if you desaturate by 10%, it is **13.9557, 0.4809, 0.4453**.

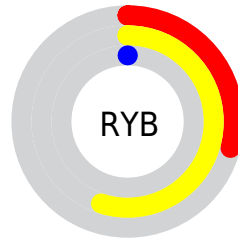
Distribution



Red (55%)

Green (36%)

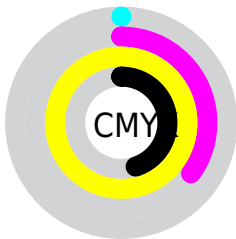
Blue (0%)



Red (29%)

Yellow (55%)

Blue (0%)

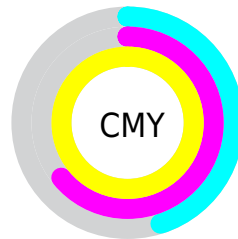


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0576, 0.4957, 0.4446 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 13.0576, 0.4957, 0.4446 by changing the saturation by 10% instead.


 13.0576, 0.4957,
0.4446


 13.0576, 0.4957,
0.4446


 211.2865, 0.3937,
0.3885


 7.4682, 0.5222,
0.4537


 31.4072, 0.4584,
0.4278


 3.7566, 0.5468,
0.4532

 44.9363, 0.4441,
0.4200

 1.5384, 0.5662,
0.4338

 61.8806, 0.4321,
0.4130

 0.3155, 0.6692,
0.3308


 82.6248, 0.4220,
0.4068

 0.0000, 0.0000,
0.0000

 107.5530, 0.4133,
0.4014

 137.0498, 0.4058,


0.3966

 171.4995, 0.3994,
0.3923


 13.0576, 0.4957,
0.4446


 13.0576, 0.4957,
0.4446


 13.0574, 0.4957,
0.4446

 13.9557, 0.4809,
0.4453

 14.9294, 0.4641,
0.4424

 15.9911, 0.4449,
0.4349

 17.1456, 0.4244,
0.4237

 18.3970, 0.4034,
0.4097

■ 19.7492, 0.3827,
0.3940

■ 21.2058, 0.3630,
0.3774

■ 22.7700, 0.3447,
0.3608

■ 24.4449, 0.3279,
0.3445

Harmonies

Analogous

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



13.0576, 0.5296, 0.3685



13.0576, 0.4957, 0.4446



13.0576, 0.4158, 0.5154

Triad

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



13.0576, 0.4957, 0.4446



13.0576, 0.1579, 0.3260



13.0576, 0.2740, 0.1912

Complementary

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



13.0576, 0.4957, 0.4446



4.0935, 0.1656, 0.1162

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.



13.0576, 0.1911, 0.1721



13.0576, 0.4957, 0.4446



13.0576, 0.1347, 0.2290

Square

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



13.0576, 0.4957, 0.4446



13.0576, 0.2219, 0.4575



13.0576, 0.1462, 0.1820



13.0576, 0.3878, 0.2356

Rectangle

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



13.0576, 0.4957, 0.4446



13.0576, 0.3507, 0.5392



13.0576, 0.1462, 0.1820



13.0576, 0.2421, 0.1819

Sweetspot

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



13.0583, 0.4957, 0.4446



37.2072, 0.3643, 0.3785



5.8192, 0.5456, 0.2780



8.3491, 0.3715, 0.3847



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.0583, 0.4957, 0.4446



22.7060, 0.4977, 0.4430



22.8510, 0.3965, 0.5233



5.5551, 0.3266, 0.3432



11.6370, 0.4952, 0.4450



0.1049, 0.4544, 0.4774

Inverse Universe

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



4.0935, 0.1656, 0.1162



6.9369, 0.1646, 0.1126



2.0295, 0.1563, 0.0635



5.1601, 0.2991, 0.3144



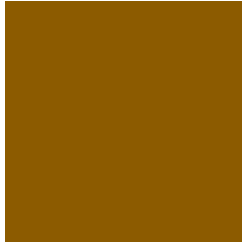
3.6701, 0.1659, 0.1171



0.0499, 0.1886, 0.1991

Previews

White Background



This preview shows how the Yxy color 13.0576, 0.4957, 0.4446 looks on a white background.

Color Contrast Check

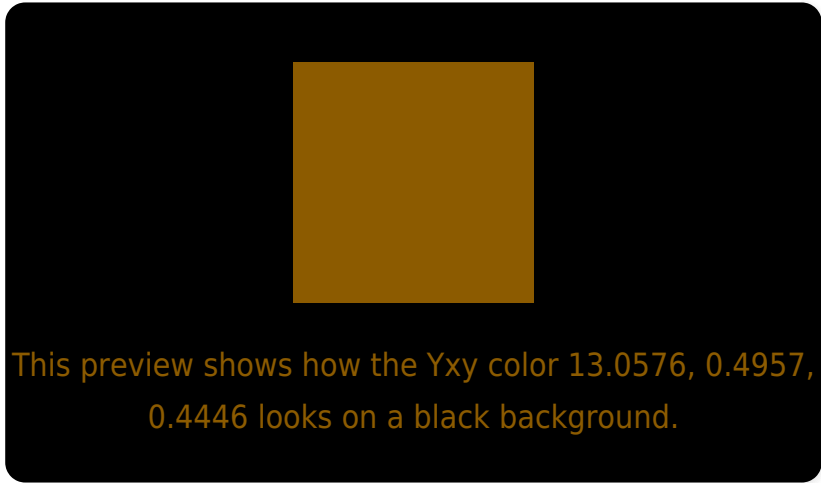
Large Text (above 18pt) WCAG AA ✓ Pass

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

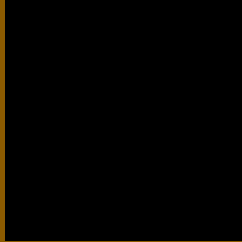
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0576, 0.4957, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 13.0576, 0.4957, 0.4446.



This preview shows how white text looks on a background with the Yxy color 13.0576, 0.4957, 0.4446.

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

13.0576, 0.4957, 0.4446

Protanopia

13.1695, 0.4358, 0.4833

Deuteranopia

13.0329, 0.4713, 0.4640



Tritanopia

13.1816, 0.4020, 0.3185

Trichromacy



Original Color

13.0576, 0.4957, 0.4446

Protanomaly

13.0336, 0.4579, 0.4694

Deuteranomaly

12.9920, 0.4806, 0.4566

Tritanomaly

12.9615, 0.4539, 0.3796

Monochromacy



Original Color

13.0576, 0.4957, 0.4446

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7112, 0.3919, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0576, 0.4957, 0.4446 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(140, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 91, 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(140, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0576, 0.4957, 0.4446 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(140, 91, 0) }
```

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

```
.border{ border-color:rgb(140, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 91, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0576, 0.4957, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 91, 0) }
```

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

```
.background{ background-color: rgb(140, 91,  
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](#).

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