

Converting Colors

$Y_{xy}(20.1128, 0.4012, 0.4395)$

Have a look what the booklet for
Yxy(20.1128, 0.4012, 0.4395)
contains.

Yxy(20.0706, 0.4014, 0.4386)	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

$\text{Yxy}(20.0706, 0.4014, 0.4386)$

Conversions

Conversions Part 1

Format	Color
Hex	897C3D
RGB	137, 124, 61
RGB Percent	54%, 49%, 24%
CMY	0.4627, 0.5137, 0.7608
CMYK	0.00, 0.09, 0.55, 0.46
HSL	50°, 38%, 39%
HSV	50°, 55%, 54%
XYZ	18.3683, 20.0706, 7.3217
YIQ	120.7050, 27.9710, -16.8370

Conversions

Conversions Part 2

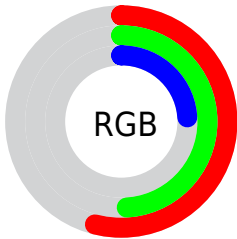
Format	Color
RYB	77, 137, 61
Decimal	9010237
CIELab	51.92, -3.67, 35.77
CIELCh	52, 35.956, 95.856
Yxy	20.0706, 0.4014, 0.4386
Android (android.graphics.Color)	4287200317 (0xFF897C3D)
YUV	120.7050, -29.4346, 14.2907
Hunter-Lab	44.8002, -5.2145, 21.6704

Details

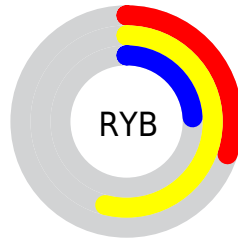
The Yxy color **20.0706, 0.4014, 0.4386** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6995, 0.2154, 0.1865**, and the grayscale version is **19.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3829, 0.3836, 0.4153**, and **6.9925, 0.4302, 0.4749** is the 20% darker color. If you saturate the color by 10%, you get **19.3612, 0.4164, 0.4541**, and if you desaturate by 10%, it is **20.8336, 0.3852, 0.4206**.

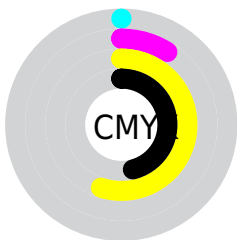
Distribution



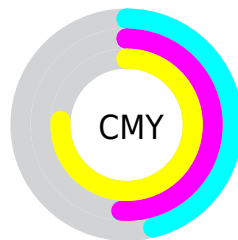
- Red (54%)
- Green (49%)
- Blue (24%)



- Red (30%)
- Yellow (54%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (55%)
- Black (46%)





- Cyan (46%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0706, 0.4014, 0.4386 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 20.0706, 0.4014, 0.4386 by changing the saturation by 10% instead.


 20.0706, 0.4014,
0.4386


 20.0706, 0.4014,
0.4386


 252.2971, 0.3531,
0.3775


 12.4464, 0.4138,
0.4552


 43.5355, 0.3832,
0.4152

 7.0484, 0.4291,
0.4764


 60.1450, 0.3765,
0.4067


 3.4924, 0.4605,
0.5186

 80.5184, 0.3710,
0.3997

 1.3939, 0.4641,
0.5359

 105.0400, 0.3663,
0.3938

 0.2122, 0.3458,
0.6542

 134.0943, 0.3622,
0.3888

 0.0000, 0.0000,
0.0000

 168.0656, 0.3587,

0.3845

207.3384, 0.3557,
0.3808

■ 20.0706, 0.4014,
0.4386

■ 20.0706, 0.4014,
0.4386

■ 19.3612, 0.4164,
0.4541

■ 20.8336, 0.3852,
0.4206

■ 18.6995, 0.4296,
0.4661

■ 21.6502, 0.3686,
0.4009

■ 18.0830, 0.4404,
0.4740

■ 22.5237, 0.3520,
0.3804

■ 17.5068, 0.4487,
0.4778

■ 23.4564, 0.3359,
0.3598

■ 17.2534, 0.4522,
0.4791

■ 24.4504, 0.3207,
0.3397

■ 25.5079, 0.3064,
0.3204

■ 26.6307, 0.2932,
0.3023

■ 27.8206, 0.2812,
0.2853

■ 29.0793, 0.2703,
0.2697

Harmonies

Analogous

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



20.0706, 0.4392, 0.3989



20.0706, 0.4014, 0.4386



20.0706, 0.3420, 0.4502

Triad

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



20.0706, 0.4014, 0.4386



20.0706, 0.1993, 0.2872



20.0706, 0.3387, 0.2591

Complementary

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



20.0706, 0.4014, 0.4386



7.6995, 0.2154, 0.1865

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.



20.0706, 0.2728, 0.2330



20.0706, 0.4014, 0.4386



20.0706, 0.1987, 0.2440

Square

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



20.0706, 0.4014, 0.4386



20.0706, 0.2266, 0.3524



20.0706, 0.2238, 0.2268



20.0706, 0.4030, 0.3000

Rectangle

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



20.0706, 0.4014, 0.4386



20.0706, 0.2988, 0.4336



20.0706, 0.2238, 0.2268



20.0706, 0.3157, 0.2484

Sweetspot

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



20.0715, 0.4014, 0.4386



41.6711, 0.3389, 0.3637



9.1651, 0.4398, 0.3041



9.2828, 0.3416, 0.3671



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.0715, 0.4014, 0.4386



34.3000, 0.4206, 0.4581



21.7393, 0.3602, 0.4719



5.7017, 0.3262, 0.3470



16.0831, 0.4521, 0.4792



0.1247, 0.4342, 0.4934

Inverse Universe

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



7.6995, 0.2154, 0.1865



9.8089, 0.1922, 0.1483



7.0798, 0.2393, 0.1705



5.0218, 0.2991, 0.3103



2.2836, 0.1552, 0.0786



0.0301, 0.1718, 0.1383

Previews

White Background



This preview shows how the Yxy color 20.0706, 0.4014, 0.4386 looks on a white background.

Color Contrast Check

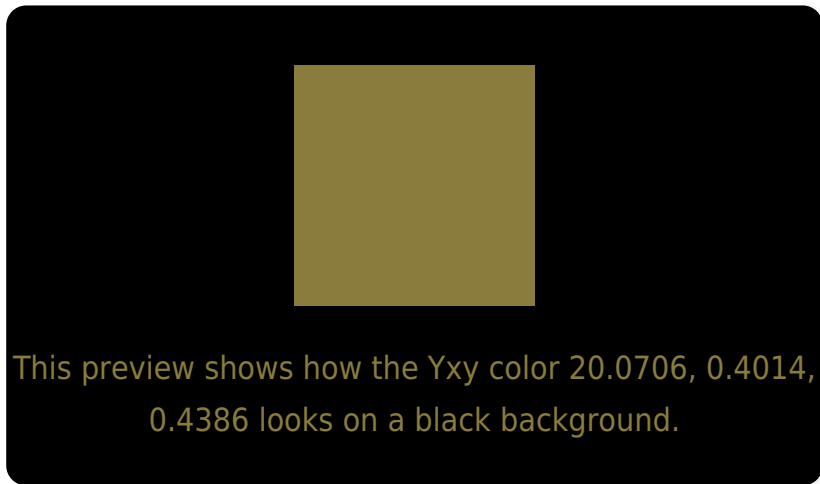
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

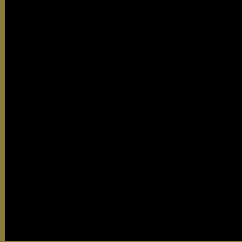
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0706, 0.4014, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 20.0706, 0.4014, 0.4386.



This preview shows how white text looks on a background with the Yxy color 20.0706, 0.4014, 0.4386.

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

20.0706, 0.4014, 0.4386

Protanopia

20.0706, 0.4014, 0.4386

Deuteranopia

19.9911, 0.4251, 0.4182



Tritanopia

20.0686, 0.3352, 0.3135

Trichromacy



Original Color

20.0706, 0.4014, 0.4386

Protanomaly

20.0706, 0.4014, 0.4386

Deuteranomaly

19.9838, 0.4176, 0.4253

Tritanomaly

20.0550, 0.3619, 0.3611

Monochromacy



Original Color

20.0706, 0.4014, 0.4386

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3319, 0.3462, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0706, 0.4014, 0.4386 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(137, 124, 61)` looks like.

```
.text, #text, p{  
    color:rgb(137, 124, 61)  
}
```

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(137, 124, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 124, 61) }
```

Border

The CSS property to change the border of an element to Yxy 20.0706, 0.4014, 0.4386 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(137, 124, 61) }
```

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

```
.border{ border-color:rgb(137, 124, 61) }
```

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

Here you see how a box with a 4 pixel rgb(137, 124, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 124, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 124, 61);  
box-shadow:4px 4px 4px 4px rgb(137, 124,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0706, 0.4014, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 124, 61) }
```

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

```
.background{ background-color: rgb(137,  
124, 61) }
```

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