

Converting Colors

$Y_{xy}(14.7966, 0.3796, 0.4070)$

Have a look what the booklet for
Yxy(14.7966, 0.3796, 0.4070)
contains.

Yxy(14.7966, 0.3796, 0.4070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.7966, 0.3796, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	766B45
RGB	118, 107, 69
RGB Percent	46%, 42%, 27%
CMY	0.5374, 0.5803, 0.7294
CMYK	0.00, 0.09, 0.42, 0.54
HSL	47°, 26%, 37%
HSV	47°, 42%, 46%
XYZ	13.8005, 14.7966, 7.7582
YIQ	105.9570, 18.7540, -9.4860

Conversions

Conversions Part 2

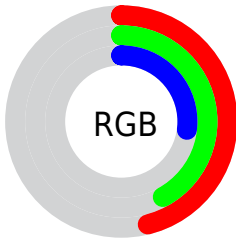
Format	Color
R_{YB}	83, 118, 69
Decimal	7760709
CIE Lab	45.35, -1.66, 22.87
CIE LCh	45, 22.929, 94.153
Yxy	14.7966, 0.3796, 0.4070
Android (android.graphics.Color)	4285950789 (0xFF766B45)
YUV	105.9570, -18.2198, 10.5617
Hunter-Lab	38.4663, -3.2762, 14.9683

Details

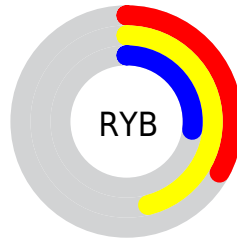
The Yxy color **14.7966, 0.3796, 0.4070** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3040, 0.2442, 0.2361**, and the grayscale version is **14.4472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4197, 0.3637, 0.3876**, and **4.5308, 0.4061, 0.4407** is the 20% darker color. If you saturate the color by 10%, you get **14.1227, 0.3970, 0.4248**, and if you desaturate by 10%, it is **15.5178, 0.3623, 0.3882**.

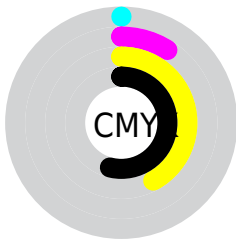
Distribution



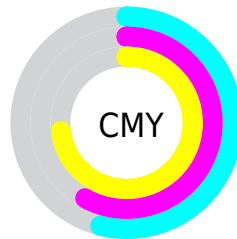
- Red (46%)
- Green (42%)
- Blue (27%)



- Red (33%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (9%)
- Yellow (42%)
- Black (54%)





- Cyan (54%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7966, 0.3796, 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 14.7966, 0.3796, 0.4070 by changing the saturation by 10% instead.


 14.7966, 0.3796,
0.4070


 14.7966, 0.3796,
0.4070


222.1318, 0.3405,
0.3610


 8.6768, 0.3915,
0.4213


 34.4960, 0.3638,
0.3883


 4.5310, 0.4079,
0.4414

 48.8443, 0.3584,
0.3819


 1.9748, 0.4482,
0.4894

 66.7042, 0.3540,
0.3767

 0.5928, 0.4687,
0.5313

 88.4601, 0.3503,
0.3725

 0.0000, 0.0000,
0.0000

 114.4964, 0.3473,
0.3689

145.1976, 0.3447,

0.3659

180.9479, 0.3424,
0.3633

■ 14.7966, 0.3796,
0.4070

■ 14.7966, 0.3796,
0.4070

■ 14.1227, 0.3970,
0.4248

■ 15.5178, 0.3623,
0.3882

■ 13.4922, 0.4138,
0.4405

■ 16.2861, 0.3455,
0.3690

■ 12.9037, 0.4295,
0.4535

■ 17.1036, 0.3297,
0.3500

■ 12.3548, 0.4433,
0.4627

■ 17.9721, 0.3149,
0.3317

■ 11.8430, 0.4545,
0.4678

■ 18.8928, 0.3012,
0.3143

■ 11.4294, 0.4633,
0.4703

■ 19.8671, 0.2888,
0.2980

■ 20.8965, 0.2775,
0.2829

■ 21.9820, 0.2673,
0.2689

■ 23.1250, 0.2581,
0.2560

Harmonies

Analogous

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



14.7966, 0.4039, 0.3802



14.7966, 0.3796, 0.4070



14.7966, 0.3381, 0.4132

Triad

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



14.7966, 0.3796, 0.4070



14.7966, 0.2306, 0.3033



14.7966, 0.3291, 0.2764

Complementary

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



14.7966, 0.3796, 0.4070



8.3040, 0.2442, 0.2361

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.



14.7966, 0.2823, 0.2576



14.7966, 0.3796, 0.4070



14.7966, 0.2285, 0.2699

Square

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



14.7966, 0.3796, 0.4070



14.7966, 0.2529, 0.3490



14.7966, 0.2466, 0.2546



14.7966, 0.3742, 0.3070

Rectangle

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



14.7966, 0.3796, 0.4070



14.7966, 0.3070, 0.4019



14.7966, 0.2466, 0.2546



14.7966, 0.3129, 0.2686

Sweetspot

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



14.7973, 0.3796, 0.4070



29.9716, 0.3309, 0.3515



8.6912, 0.3878, 0.3048



6.8592, 0.3323, 0.3532



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.7973, 0.3796, 0.4070



24.8745, 0.3965, 0.4243



16.3787, 0.3533, 0.4329



4.1339, 0.3259, 0.3454



12.3516, 0.4635, 0.4702



58.8723, 0.4663, 0.4679

Inverse Universe

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



8.3040, 0.2442, 0.2361



11.7956, 0.2264, 0.2096



7.3597, 0.2587, 0.2144



3.7107, 0.2995, 0.3121



2.2173, 0.1581, 0.0890



9.7182, 0.1559, 0.0812

Previews

White Background



This preview shows how the Yxy color 14.7966, 0.3796, 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



This preview shows how the Yxy color 14.7966, 0.3796, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

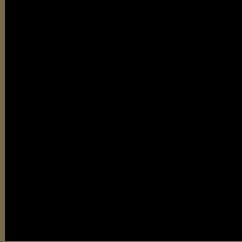
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7966, 0.3796, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 14.7966, 0.3796, 0.4070.



This preview shows how white text looks on a background with the Yxy color 14.7966, 0.3796, 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

14.7966, 0.3796, 0.4070

Protanopia

14.7270, 0.3781, 0.4074

Deuteranopia

14.8098, 0.3983, 0.3930



Tritanopia

14.7661, 0.3308, 0.3133

Trichromacy



Original Color

14.7966, 0.3796, 0.4070

Protanomaly

14.7270, 0.3781, 0.4074

Deuteranomaly

14.7028, 0.3914, 0.3965

Tritanomaly

14.7918, 0.3499, 0.3473

Monochromacy



Original Color

14.7966, 0.3796, 0.4070

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4134, 0.3357, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7966, 0.3796, 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(118, 107, 69)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 69)  
}
```

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(118, 107, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 69) }
```

Border

The CSS property to change the border of an element to Yxy 14.7966, 0.3796, 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(118, 107, 69) }
```

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

```
.border{ border-color:rgb(118, 107, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 69);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7966, 0.3796, 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(118, 107, 69) }
```

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

```
.background{ background-color: rgb(118,  
107, 69) }
```

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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