

Converting Colors

$Y_{xy}(10.3913, 0.4322, 0.3570)$

Have a look what the booklet for
Yxy(10.3913, 0.4322, 0.3570)
contains.

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Color

Yxy(10.4081, 0.4305, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	804E40
RGB	128, 78, 64
RGB Percent	50%, 31%, 25%
CMY	0.4981, 0.6941, 0.7491
CMYK	0.00, 0.39, 0.50, 0.50
HSL	13°, 33%, 38%
HSV	13°, 50%, 50%
XYZ	12.5509, 10.4081, 6.1953
YIQ	91.3540, 34.2940, 6.2460

Conversions

Conversions Part 2

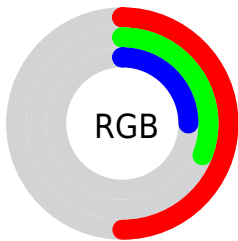
Format	Color
RYB	128, 82, 64
Decimal	8408640
CIELab	38.57, 19.42, 17.15
CIELCh	39, 25.911, 41.454
Yxy	10.4081, 0.4305, 0.3570
Android (android.graphics.Color)	4286598720 (0xFF804E40)
YUV	91.3540, -13.4855, 32.1385
Hunter-Lab	32.2616, 12.9853, 11.1975

Details

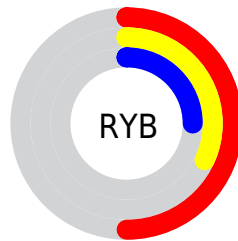
The Yxy color **10.4081, 0.4305, 0.3570** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.6758, 0.2438, 0.2976**, and the grayscale version is **10.5722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6755, 0.3984, 0.3522**, and **2.6784, 0.4965, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **8.9652, 0.4664, 0.3614**, and if you desaturate by 10%, it is **12.1015, 0.3987, 0.3516**.

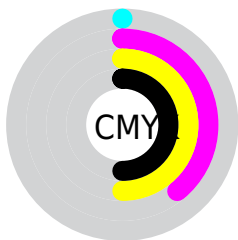
Distribution



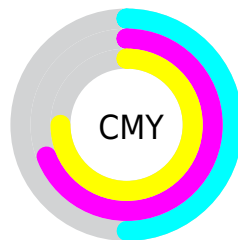
- Red (50%)
- Green (31%)
- Blue (25%)



- Red (50%)
- Yellow (32%)
- Blue (25%)



- Cyan (0%)
- Magenta (39%)
- Yellow (50%)
- Black (50%)





- Cyan (50%)
- Magenta (69%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4081, 0.4305, 0.3570 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 10.4081, 0.4305, 0.3570 by changing the saturation by 10% instead.


 10.4081, 0.4305,
0.3570


 10.4081, 0.4305,
0.3570


193.5605, 0.3567,
0.3423


 5.6704, 0.4566,
0.3598

 26.5603, 0.3988,
0.3519


 2.6457, 0.4963,
0.3615

 38.7436, 0.3885,
0.3498


 0.9497, 0.6117,
0.3883

 54.1775, 0.3804,
0.3481

 0.0000, 1.0000,
0.0000

 73.2465, 0.3739,
0.3466

 0.0000, 0.0000,
0.0000

 96.3348, 0.3684,
0.3453

 123.8270, 0.3639,

0.3442

156.1074, 0.3601,
0.3432

■ 10.4081, 0.4305,
0.3570

■ 10.4081, 0.4305,
0.3570

■ 8.9652, 0.4664,
0.3614

■ 12.1015, 0.3987,
0.3516

■ 7.7591, 0.5051,
0.3638

■ 14.0549, 0.3714,
0.3458

■ 6.7772, 0.5439,
0.3635

■ 16.2794, 0.3483,
0.3399

■ 6.0052, 0.5790,
0.3597

■ 18.7850, 0.3289,
0.3343

■ 5.4213, 0.6092,
0.3545

■ 21.5809, 0.3127,
0.3290

■ 24.6763, 0.2992,
0.3241

■ 28.0797, 0.2879,
0.3197

■ 31.7993, 0.2783,
0.3156

■ 35.8430, 0.2702,
0.3119

Harmonies

Analogous

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



10.4081, 0.4024, 0.3113



10.4081, 0.4305, 0.3570



10.4081, 0.4227, 0.4011

Triad

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



10.4081, 0.4305, 0.3570



10.4081, 0.2720, 0.3985



10.4081, 0.2390, 0.2356

Complementary

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



10.4081, 0.4305, 0.3570



14.6758, 0.2438, 0.2976

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.



10.4081, 0.2115, 0.2477



10.4081, 0.4305, 0.3570



10.4081, 0.2285, 0.3387

Square

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



10.4081, 0.4305, 0.3570



10.4081, 0.3291, 0.4345



10.4081, 0.2077, 0.2830



10.4081, 0.2873, 0.2447

Rectangle

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



10.4081, 0.4305, 0.3570



10.4081, 0.3999, 0.4243



10.4081, 0.2077, 0.2830



10.4081, 0.2273, 0.2371

Sweetspot

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



10.4086, 0.4305, 0.3570



30.6608, 0.3388, 0.3372



9.4715, 0.3418, 0.2350



6.9979, 0.3423, 0.3383



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.4086, 0.4305, 0.3570



15.4709, 0.4716, 0.3618



16.0801, 0.3985, 0.4165



4.4853, 0.3273, 0.3338



5.3779, 0.6092, 0.3545



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6758, 0.2438, 0.2976



23.8476, 0.2315, 0.2891



8.7005, 0.2296, 0.2211



4.7320, 0.2993, 0.3242



10.5767, 0.2053, 0.2592



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.4081, 0.4305, 0.3570 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 10.4081, 0.4305, 0.3570 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 10.4081, 0.4305, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 10.4081, 0.4305, 0.3570.

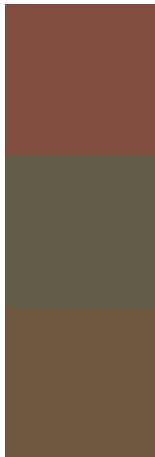


This preview shows how white text looks on a background with the Yxy color 10.4081, 0.4305, 0.3570.

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

10.4081, 0.4305, 0.3570

Protanopia

10.5210, 0.3567, 0.3797

Deuteranopia

10.4154, 0.3919, 0.3856



Tritanopia

10.4301, 0.4018, 0.3194

Trichromacy



Original Color

10.4081, 0.4305, 0.3570

Protanomaly

10.3241, 0.3827, 0.3700

Deuteranomaly

10.4125, 0.4054, 0.3745

Tritanomaly

10.4829, 0.4125, 0.3333

Monochromacy



Original Color

10.4081, 0.4305, 0.3570

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.1927, 0.3518, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4081, 0.4305, 0.3570 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(128, 78, 64)` looks like.

```
.text, #text, p{  
    color:rgb(128, 78, 64)  
}
```

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(128, 78, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 78, 64) }
```

Border

The CSS property to change the border of an element to Yxy 10.4081, 0.4305, 0.3570 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(128, 78, 64) }
```

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

```
.border{ border-color:rgb(128, 78, 64) }
```

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

Here you see how a box with a 4 pixel rgb(128, 78, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 78, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 78, 64);  
box-shadow:4px 4px 4px 4px rgb(128, 78,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4081, 0.4305, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 78, 64) }
```

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

```
.background{ background-color: rgb(128, 78,  
64) }
```

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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