

Converting Colors

$Y_{xy}(13.1329, 0.2427, 0.3864)$

Have a look what the booklet for
Yxy(13.1329, 0.2427, 0.3864)
contains.

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Color

$Y_{xy}(13.1212, 0.2423, 0.3852)$

Conversions

Conversions Part 1

Format	Color
Hex	08735E
RGB	8, 115, 94
RGB Percent	3%, 45%, 37%
CMY	0.9677, 0.5490, 0.6313
CMYK	0.93, 0.00, 0.18, 0.55
HSL	168°, 87%, 24%
HSV	168°, 93%, 45%
XYZ	8.2535, 13.1212, 12.6886
YIQ	80.6130, -57.0310, -29.2150

Conversions

Conversions Part 2

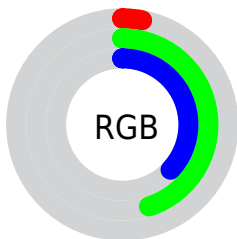
Format	Color
RYB	8, 67, 115
Decimal	553822
CIELab	42.95, -32.66, 3.94
CIELCh	43, 32.898, 173.121
Yxy	13.1212, 0.2423, 0.3852
Android (android.graphics.Color)	4278743902 (0xFF08735E)
YUV	80.6130, 6.5998, -63.6816
Hunter-Lab	36.2232, -22.7189, 4.5876

Details

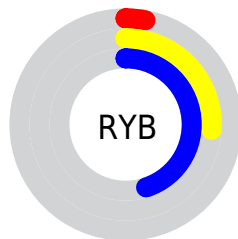
The Yxy color **13.1212, 0.2423, 0.3852** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9131, 0.5750, 0.3048**, and the grayscale version is **8.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6386, 0.2605, 0.3716**, and **4.1098, 0.2469, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **13.0398, 0.2417, 0.3901**, and if you desaturate by 10%, it is **13.2557, 0.2437, 0.3784**.

Distribution



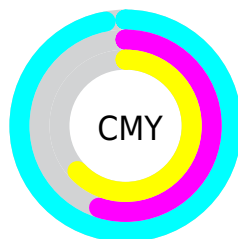
- Red (3%)
- Green (45%)
- Blue (37%)



- Red (3%)
- Yellow (26%)
- Blue (45%)



- Cyan (93%)
- Magenta (0%)
- Yellow (18%)
- Black (55%)





- Cyan (97%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1212, 0.2423, 0.3852 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 13.1212, 0.2423, 0.3852 by changing the saturation by 10% instead.


 13.1212, 0.2423,
0.3852


 13.1212, 0.2423,
0.3852


 211.6930, 0.2849,
0.3506


 7.5121, 0.2280,
0.3973


 31.5214, 0.2602,
0.3705


 3.7843, 0.2065,
0.4158

 45.0812, 0.2661,
0.3657

 1.5537, 0.1642,
0.4516

 62.0600, 0.2708,
0.3619

 0.3261, 0.0000,
0.8039

 82.8422, 0.2747,
0.3588

 0.0000, 0.0000,
0.0000

 107.8122, 0.2779,
0.3562

 137.3544, 0.2806,

0.3540

171.8532, 0.2829,
0.3522

13.1212, 0.2423,
0.3852

13.1212, 0.2423,
0.3852

13.0398, 0.2417,
0.3901

13.2557, 0.2437,
0.3784

13.4471, 0.2468,
0.3716

13.7036, 0.2517,
0.3648

14.0313, 0.2583,
0.3583

14.4356, 0.2663,
0.3519

■ 14.9214, 0.2757,
0.3459

■ 15.4931, 0.2862,
0.3403

■ 16.1548, 0.2974,
0.3351

■ 16.9104, 0.3093,
0.3303

Harmonies

Analogous

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



13.1212, 0.3037, 0.4436



13.1212, 0.2423, 0.3852



13.1212, 0.2025, 0.3116

Triad

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



13.1212, 0.2423, 0.3852



13.1212, 0.2461, 0.2231



13.1212, 0.4519, 0.3798

Complementary

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



13.1212, 0.2423, 0.3852



3.9131, 0.5750, 0.3048

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.



13.1212, 0.4359, 0.3272



13.1212, 0.2423, 0.3852



13.1212, 0.3092, 0.2420

Square

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



13.1212, 0.2423, 0.3852



13.1212, 0.2052, 0.2263



13.1212, 0.3809, 0.2788



13.1212, 0.4262, 0.4281

Rectangle

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



13.1212, 0.2423, 0.3852



13.1212, 0.1913, 0.2711



13.1212, 0.3809, 0.2788



13.1212, 0.4515, 0.3623

Sweetspot

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



13.1217, 0.2423, 0.3852



27.1231, 0.2799, 0.3436



12.5482, 0.3108, 0.5822



6.3886, 0.2763, 0.3456



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.



13.1217, 0.2423, 0.3852



23.3339, 0.2422, 0.3919



7.4724, 0.2023, 0.2404



4.1435, 0.3019, 0.3332



14.9057, 0.2418, 0.3906



72.5153, 0.2428, 0.3942

Inverse Universe

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



3.9131, 0.5750, 0.3048



6.6184, 0.6050, 0.3106



5.1980, 0.5669, 0.3738



3.7116, 0.3248, 0.3248



4.2330, 0.6007, 0.3083



20.5284, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 13.1212, 0.2423, 0.3852 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 13.1212, 0.2423, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

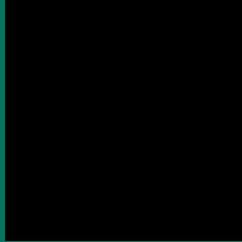
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1212, 0.2423, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 13.1212, 0.2423, 0.3852.

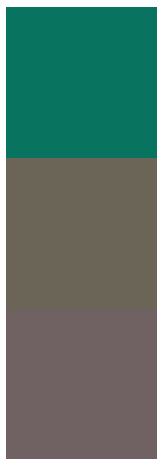


This preview shows how white text looks on a background with the Yxy color 13.1212, 0.2423, 0.3852.

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

13.1212, 0.2423, 0.3852

Protanopia

13.0597, 0.3397, 0.3601

Deuteranopia

13.0620, 0.3339, 0.3291



Tritanopia

13.0823, 0.2291, 0.3069

Trichromacy



Original Color

13.1212, 0.2423, 0.3852

Protanomaly

12.3483, 0.2849, 0.3694

Deuteranomaly

12.2195, 0.2814, 0.3462

Tritanomaly

12.9427, 0.2320, 0.3313

Monochromacy



Original Color

13.1212, 0.2423, 0.3852

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.3128, 0.2685, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1212, 0.2423, 0.3852 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(8, 115, 94)` looks like.

```
.text, #text, p{  
    color:rgb(8, 115, 94)  
}
```

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(8, 115, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 115, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.1212, 0.2423, 0.3852 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(8, 115, 94) }
```

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

```
.border{ border-color:rgb(8, 115, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 115, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 115, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 115, 94);  
box-shadow:4px 4px 4px 4px rgb(8, 115, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1212, 0.2423, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 115, 94) }
```

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

```
.background{ background-color: rgb(8, 115,  
94) }
```

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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