

Converting Colors

$Y_{xy}(0.8727, 0.2515, 0.4253)$

Have a look what the booklet for
Yxy(0.8727, 0.2515, 0.4253)
contains.

Yxy(0.8710, 0.2509, 0.4231)	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

$Y_{xy}(0.8710, 0.2509, 0.4231)$

Conversions

Conversions Part 1

Format	Color
Hex	001C11
RGB	0, 28, 17
RGB Percent	0%, 11%, 7%
CMY	1.0000, 0.8902, 0.9333
CMYK	1.00, 0.00, 0.39, 0.89
HSL	156°, 100%, 5%
HSV	156°, 100%, 11%
XYZ	0.5165, 0.8710, 0.6711
YIQ	18.3740, -13.1570, -9.3570

Conversions

Conversions Part 2

Format	Color
RYB	0, 17, 28
Decimal	7185
CIELab	7.87, -12.75, 3.97
CIELCh	8, 13.357, 162.727
Yxy	0.8710, 0.2509, 0.4231
Android (android.graphics.Color)	4278197265 (0xFF001C11)
YUV	18.3740, -0.6774, -16.1140
Hunter-Lab	9.3327, -6.4535, 2.2694

Details

The Yxy color **0.8710, 0.2509, 0.4231** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **0.2713, 0.4684, 0.2356**, and the grayscale version is **0.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **5.4031, 0.2869, 0.3718**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **0.8710, 0.2509, 0.4231**, and if you desaturate by 10%, it is **0.8926, 0.2580, 0.4109**.

Distribution



- Red (0%)
- Green (11%)
- Blue (7%)



- Red (0%)
- Yellow (7%)
- Blue (11%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (89%)



- Cyan (100%)
- Magenta (89%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 0.8710, 0.2509, 0.4231 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 0.8710, 0.2509, 0.4231 by changing the saturation by 10% instead.

■ 0.8710, 0.2509,
0.4231

■ 0.8710, 0.2509,
0.4231

■ 94.5861, 0.3026,
0.3445

■ 0.0000, 0.0000,
0.0000

■ 5.4083, 0.2858,
0.3708

■ 10.0141, 0.2909,
0.3626


■ 16.6905, 0.2944,
0.3572


■ 25.8220, 0.2970,
0.3532


■ 37.7929, 0.2989,
0.3503


■ 52.9876, 0.3004,


0.3479


 71.7905, 0.3016,
0.3461


 0.8710, 0.2509,
0.4231

 0.8926, 0.2580,
0.4109

 0.9144, 0.2642,
0.3995

 0.9364, 0.2697,
0.3888

 0.9587, 0.2746,
0.3787

 0.9838, 0.2800,
0.3691

■ 1.0122, 0.2859,
0.3600

■ 1.0441, 0.2922,
0.3514

■ 1.0795, 0.2989,
0.3434

■ 1.1185, 0.3057,
0.3359

Harmonies

Analogous

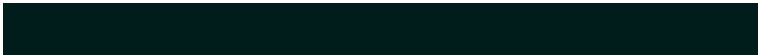
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0.8710, 0.3486, 0.5006



0.8710, 0.2509, 0.4231



0.8710, 0.2001, 0.3419

Triad

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



0.8710, 0.2509, 0.4231



0.8710, 0.2289, 0.2213



0.8710, 0.4785, 0.3830

Complementary

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



0.8710, 0.2509, 0.4231



0.2713, 0.4684, 0.2356

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.



0.8710, 0.4232, 0.3113



0.8710, 0.2509, 0.4231



0.8710, 0.2853, 0.2329

Square

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



0.8710, 0.2509, 0.4231



0.8710, 0.1958, 0.2333



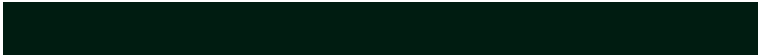
0.8710, 0.3566, 0.2642



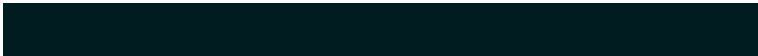
0.8710, 0.4999, 0.4695

Rectangle

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



0.8710, 0.2509, 0.4231



0.8710, 0.1867, 0.2938



0.8710, 0.3566, 0.2642



0.8710, 0.4622, 0.3563

Sweetspot

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



0.8710, 0.2509, 0.4231



1.5517, 0.2907, 0.3534



0.9031, 0.3466, 0.5629



0.5373, 0.2920, 0.3517



28.4647, 0.3127, 0.3290



0.5981, 0.3127, 0.3290

Same Dimension

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



0.8710, 0.2509, 0.4231



1.3003, 0.2531, 0.4310



0.7878, 0.2185, 0.3065



0.3831, 0.3077, 0.3339



5.4387, 0.2585, 0.4504



44.6363, 0.2623, 0.4642

Inverse Universe

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



0.2713, 0.4684, 0.2356



0.4015, 0.4827, 0.2433



0.3079, 0.5992, 0.3621



0.3606, 0.3180, 0.3242



1.6512, 0.5178, 0.2626



13.4193, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 0.8710, 0.2509, 0.4231 looks on a white background.

Color Contrast Check

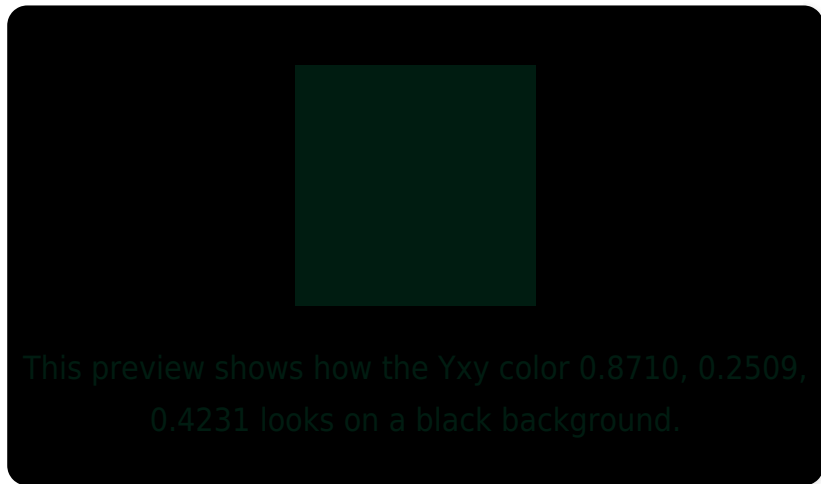
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

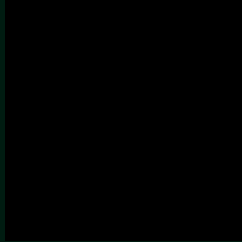
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 0.8710, 0.2509, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 0.8710, 0.2509, 0.4231.



This preview shows how white text looks on a background with the Yxy color 0.8710, 0.2509, 0.4231.

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

0.8710, 0.2509, 0.4231

Protanopia

0.9074, 0.3602, 0.3896

Deuteranopia

0.9177, 0.3630, 0.3612



Tritanopia

0.9371, 0.2479, 0.3144

Trichromacy



Original Color

0.8710, 0.2509, 0.4231

Protanomaly

0.8518, 0.3137, 0.3974

Deuteranomaly

0.8675, 0.3103, 0.3811

Tritanomaly

0.8928, 0.2477, 0.3442

Monochromacy



Original Color

0.8710, 0.2509, 0.4231

Achromatopsia

0.6049, 0.3127, 0.3290

Achromatomaly

0.6886, 0.2811, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 0.8710, 0.2509, 0.4231 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(0, 28, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 28, 17)  
}
```

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(0, 28, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 28, 17) }
```

Border

The CSS property to change the border of an element to Yxy 0.8710, 0.2509, 0.4231 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(0, 28, 17) }
```

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

```
.border{ border-color:rgb(0, 28, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 28, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 28, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 28, 17); box-shadow:4px  
4px 4px 4px rgb(0, 28, 17) }
```


Background

The CSS property to change the background color of an element to Yxy 0.8710, 0.2509, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 28, 17) }
```

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

```
.background{ background-color: rgb(0, 28,  
17) }
```

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