

Converting Colors

$Y_{xy}(13.7960, 0.2707, 0.4701)$

Have a look what the booklet for
Yxy(13.7960, 0.2707, 0.4701)
contains.

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Color

Yxy(13.7583, 0.2710, 0.4708)

Conversions

Conversions Part 1

Format	Color
Hex	157743
RGB	21, 119, 67
RGB Percent	8%, 47%, 26%
CMY	0.9174, 0.5333, 0.7373
CMYK	0.82, 0.00, 0.44, 0.53
HSL	148°, 70%, 27%
HSV	148°, 82%, 47%
XYZ	7.9195, 13.7583, 7.5454
YIQ	83.7700, -41.7160, -36.9480

Conversions

Conversions Part 2

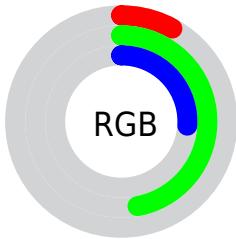
Format	Color
RYB	21, 88, 119
Decimal	1406787
CIELab	43.88, -39.74, 21.10
CIELCh	44, 44.991, 152.033
Yxy	13.7583, 0.2710, 0.4708
Android (android.graphics.Color)	4279596867 (0xFF157743)
YUV	83.7700, -8.2676, -55.0493
Hunter-Lab	37.0922, -26.8000, 13.9035

Details

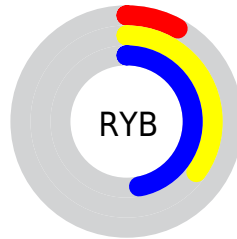
The Yxy color **13.7583, 0.2710, 0.4708** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.9421, 0.4363, 0.2374**, and the grayscale version is **8.8425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6050, 0.2834, 0.4304**, and **4.3142, 0.2820, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **13.5862, 0.2721, 0.4901**, and if you desaturate by 10%, it is **14.0014, 0.2717, 0.4509**.

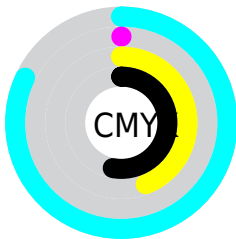
Distribution



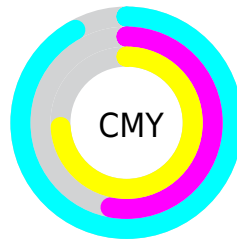
- Red (8%)
- Green (47%)
- Blue (26%)



- Red (8%)
- Yellow (35%)
- Blue (47%)



- Cyan (82%)
- Magenta (0%)
- Yellow (44%)
- Black (53%)




- Cyan (92%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7583, 0.2710, 0.4708 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 13.7583, 0.2710, 0.4708 by changing the saturation by 10% instead.


 13.7583, 0.2710,
0.4708


 13.7583, 0.2710,
0.4708


215.7220, 0.2988,
0.3804


 7.9528, 0.2597,
0.5043


 32.6595, 0.2837,
0.4312


 4.0647, 0.2407,
0.5572

 46.5240, 0.2876,
0.4186

 1.7098, 0.2046,
0.7127

 63.8436, 0.2906,
0.4087

 0.4300, 0.0000,
1.0000

 85.0027, 0.2929,
0.4008

 0.0000, 0.0000,
0.0000

 110.3857, 0.2948,
0.3943

 140.3770, 0.2964,

0.3889

175.3609, 0.2977,
0.3843

■ 13.7583, 0.2710,
0.4708

■ 13.7583, 0.2710,
0.4708

■ 13.5862, 0.2721,
0.4901

■ 14.0014, 0.2717,
0.4509

■ 13.4774, 0.2735,
0.5045

■ 14.3220, 0.2741,
0.4310

■ 14.7273, 0.2780,
0.4116

■ 15.2236, 0.2832,
0.3930

■ 15.8163, 0.2893,
0.3756

■ 16.5103, 0.2962,
0.3596

■ 17.3105, 0.3035,
0.3450

■ 18.2212, 0.3110,
0.3318

■ 19.2465, 0.3185,
0.3201

Harmonies

Analogous

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



13.7583, 0.3582, 0.5042



13.7583, 0.2710, 0.4708



13.7583, 0.2001, 0.3738

Triad

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



13.7583, 0.2710, 0.4708



13.7583, 0.1866, 0.1927



13.7583, 0.4901, 0.3411

Complementary

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



13.7583, 0.2710, 0.4708



4.9421, 0.4363, 0.2374

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.



13.7583, 0.4301, 0.2795



13.7583, 0.2710, 0.4708



13.7583, 0.2461, 0.1986

Square

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



13.7583, 0.2710, 0.4708



13.7583, 0.1590, 0.2161



13.7583, 0.3348, 0.2292



13.7583, 0.4898, 0.4071

Rectangle

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



13.7583, 0.2710, 0.4708



13.7583, 0.1710, 0.3053



13.7583, 0.3348, 0.2292



13.7583, 0.4764, 0.3198

Sweetspot

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



13.7589, 0.2710, 0.4708



29.1312, 0.2938, 0.3647



14.6760, 0.3491, 0.5391



6.8196, 0.2919, 0.3693



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.7589, 0.2710, 0.4708



24.1275, 0.2744, 0.5069



14.6086, 0.2315, 0.3367



4.1241, 0.3059, 0.3405



14.3169, 0.2736, 0.5050



69.5978, 0.2762, 0.5143

Inverse Universe

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



4.9421, 0.4363, 0.2374



7.6866, 0.4779, 0.2415



4.5275, 0.5786, 0.3256



3.7303, 0.3201, 0.3178



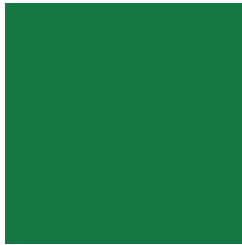
4.5485, 0.4759, 0.2395



21.9911, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 13.7583, 0.2710, 0.4708 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 13.7583, 0.2710, 0.4708 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 13.7583, 0.2710, 0.4708

Background



This preview shows how black text looks on a background with the Yxy color 13.7583, 0.2710, 0.4708.



This preview shows how white text looks on a background with the Yxy color 13.7583, 0.2710, 0.4708.

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

13.7583, 0.2710, 0.4708

Protanopia

13.5481, 0.3856, 0.4179

Deuteranopia

13.6025, 0.3895, 0.3839



Tritanopia

13.8438, 0.2364, 0.3076

Trichromacy



Original Color

13.7583, 0.2710, 0.4708

Protanomaly

13.0016, 0.3293, 0.4426

Deuteranomaly

12.7287, 0.3306, 0.4167

Tritanomaly

13.6328, 0.2476, 0.3619

Monochromacy



Original Color

13.7583, 0.2710, 0.4708

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.0915, 0.2867, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7583, 0.2710, 0.4708 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(21, 119, 67)` looks like.

```
.text, #text, p{  
    color:rgb(21, 119, 67)  
}
```

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(21, 119, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 119, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.7583, 0.2710, 0.4708 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(21, 119, 67) }
```

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

```
.border{ border-color:rgb(21, 119, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 119, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 119, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 119, 67);  
box-shadow:4px 4px 4px 4px rgb(21, 119,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7583, 0.2710, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 119, 67) }
```

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

```
.background{ background-color: rgb(21, 119,  
67) }
```

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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