

Converting Colors

$Y_{xy}(13.5720, 0.2466, 0.4274)$

Have a look what the booklet for
Yxy(13.5720, 0.2466, 0.4274)
contains.

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Color

Yxy(13.8182, 0.2518, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	007753
RGB	0, 119, 83
RGB Percent	0%, 47%, 33%
CMY	1.0000, 0.5333, 0.6745
CMYK	1.00, 0.00, 0.30, 0.53
HSL	162°, 100%, 23%
HSV	162°, 100%, 47%
XYZ	8.1581, 13.8182, 10.4228
YIQ	79.3150, -59.3680, -36.4240

Conversions

Conversions Part 2

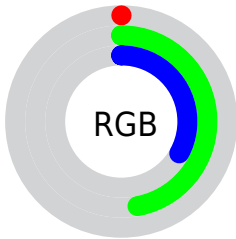
Format	Color
RYB	0, 70, 119
Decimal	30547
CIELab	43.97, -37.94, 11.91
CIELCh	44, 39.765, 162.573
Yxy	13.8182, 0.2518, 0.4265
Android (android.graphics.Color)	4278220627 (0xFF007753)
YUV	79.3150, 1.8167, -69.5593
Hunter-Lab	37.1728, -25.8782, 9.3968

Details

The Yxy color **13.8182, 0.2518, 0.4265** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0494, 0.5658, 0.2891**, and the grayscale version is **7.8881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7350, 0.2677, 0.3990**, and **4.3962, 0.2629, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **13.8190, 0.2518, 0.4265**, and if you desaturate by 10%, it is **13.9535, 0.2516, 0.4154**.

Distribution



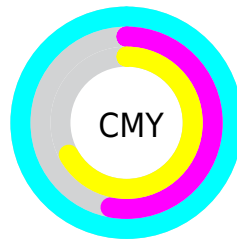
- Red (0%)
- Green (47%)
- Blue (33%)



- Red (0%)
- Yellow (27%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8182, 0.2518, 0.4265 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 13.8182, 0.2518, 0.4265 by changing the saturation by 10% instead.


 13.8182, 0.2518,
0.4265


 13.8182, 0.2518,
0.4265


216.0969, 0.2895,
0.3652


 7.9943, 0.2385,
0.4488


 32.7661, 0.2679,
0.4000


 4.0913, 0.2180,
0.4838

 46.6589, 0.2732,
0.3914


 1.7248, 0.1743,
0.5528

 64.0102, 0.2773,
0.3847

 0.4396, 0.0000,
1.0000

 85.2043, 0.2807,
0.3793

 0.0000, 0.0000,
0.0000

 110.6256, 0.2835,
0.3749


 140.6586, 0.2858,


0.3711


 175.6875, 0.2878,
0.3680

 13.8182, 0.2518,
0.4265

 13.8182, 0.2518,
0.4265

 13.8190, 0.2518,
0.4265

 13.9535, 0.2516,
0.4154

 14.1278, 0.2526,
0.4044

 14.3687, 0.2554,
0.3934

 14.6837, 0.2599,
0.3826

 15.0792, 0.2661,
0.3722

■ 15.5609, 0.2736,
0.3622

■ 16.1341, 0.2823,
0.3529

■ 16.8035, 0.2919,
0.3442

■ 17.5735, 0.3021,
0.3362

Harmonies

Analogous

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



13.8182, 0.3279, 0.4797



13.8182, 0.2518, 0.4265



13.8182, 0.1965, 0.3368

Triad

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



13.8182, 0.2518, 0.4265



13.8182, 0.2149, 0.2048



13.8182, 0.4765, 0.3633

Complementary

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



13.8182, 0.2518, 0.4265



4.0494, 0.5658, 0.2891

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.



13.8182, 0.4404, 0.3045



13.8182, 0.2518, 0.4265



13.8182, 0.2793, 0.2183

Square

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



13.8182, 0.2518, 0.4265



13.8182, 0.1791, 0.2171



13.8182, 0.3635, 0.2536



13.8182, 0.4602, 0.4230

Rectangle

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



13.8182, 0.2518, 0.4265



13.8182, 0.1770, 0.2824



13.8182, 0.3635, 0.2536



13.8182, 0.4703, 0.3433

Sweetspot

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



13.8190, 0.2518, 0.4265



28.8062, 0.2816, 0.3536



13.6004, 0.3180, 0.5857



6.7402, 0.2786, 0.3567



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.



13.8190, 0.2518, 0.4265



24.7197, 0.2525, 0.4292



9.9157, 0.2088, 0.2716



4.1373, 0.3031, 0.3355



14.6794, 0.2519, 0.4268



71.3775, 0.2535, 0.4326

Inverse Universe

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



4.0494, 0.5658, 0.2891



7.2287, 0.5721, 0.2925



4.4890, 0.6150, 0.3499



3.7174, 0.3233, 0.3226



4.3005, 0.5666, 0.2895



20.8215, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 13.8182, 0.2518, 0.4265 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 13.8182, 0.2518, 0.4265 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 13.8182, 0.2518, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 13.8182, 0.2518, 0.4265.



This preview shows how white text looks on a background with the Yxy color 13.8182, 0.2518, 0.4265.

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

13.8182, 0.2518, 0.4265

Protanopia

13.8019, 0.3615, 0.3895

Deuteranopia

13.7244, 0.3602, 0.3561



Tritanopia

13.9158, 0.2313, 0.3075

Trichromacy



Original Color

13.8182, 0.2518, 0.4265

Protanomaly

12.8414, 0.2990, 0.4051

Deuteranomaly

12.7238, 0.2971, 0.3812

Tritanomaly

13.7802, 0.2369, 0.3490

Monochromacy



Original Color

13.8182, 0.2518, 0.4265

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.2627, 0.2701, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8182, 0.2518, 0.4265 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, 119, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 83)  
}
```

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, 119, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 83) }
```

Border

The CSS property to change the border of an element to Yxy 13.8182, 0.2518, 0.4265 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, 119, 83) }
```

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

```
.border{ border-color:rgb(0, 119, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8182, 0.2518, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 83) }
```

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

```
.background{ background-color: rgb(0, 119,  
83) }
```

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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