

Converting Colors

$Yxy(11.9384, 0.1667, 0.4594)$

Have a look what the booklet for
Yxy(11.9384, 0.1667, 0.4594)
contains.

Yxy(13.7728, 0.2542, 0.4353)	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

Yxy(13.7728, 0.2542, 0.4353)

Conversions

Conversions Part 1

Format	Color
Hex	007750
RGB	0, 119, 80
RGB Percent	0%, 47%, 31%
CMY	1.0000, 0.5333, 0.6863
CMYK	1.00, 0.00, 0.33, 0.53
HSL	160°, 100%, 23%
HSV	160°, 100%, 47%
XYZ	8.0428, 13.7728, 9.8242
YIQ	78.9730, -58.4050, -37.3570

Conversions

Conversions Part 2

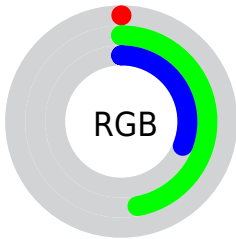
Format	Color
RYB	0, 71, 119
Decimal	30544
CIELab	43.91, -38.70, 13.58
CIELCh	44, 41.014, 160.661
Yxy	13.7728, 0.2542, 0.4353
Android (android.graphics.Color)	4278220624 (0xFF007750)
YUV	78.9730, 0.5063, -69.2593
Hunter-Lab	37.1117, -26.2611, 10.2831

Details

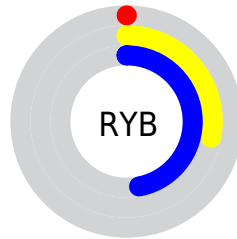
The Yxy color **13.7728, 0.2542, 0.4353** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0690, 0.5566, 0.2840**, and the grayscale version is **7.8217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6265, 0.2704, 0.4066**, and **4.3776, 0.2667, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **13.7747, 0.2543, 0.4353**, and if you desaturate by 10%, it is **13.9115, 0.2539, 0.4232**.

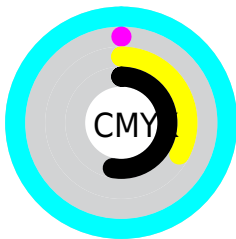
Distribution



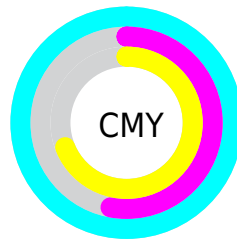
- Red (0%)
- Green (47%)
- Blue (31%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7728, 0.2542, 0.4353 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 13.7728, 0.2542, 0.4353 by changing the saturation by 10% instead.


 13.7728, 0.2542,
0.4353


 13.7728, 0.2542,
0.4353


215.8128, 0.2908,
0.3682


 7.9628, 0.2411,
0.4599


 32.6854, 0.2700,
0.4061


 4.0712, 0.2206,
0.4987

 46.5567, 0.2751,
0.3968

 1.7135, 0.1752,
0.5792

 63.8840, 0.2791,
0.3895

 0.4323, 0.0000,
1.0000

 85.0515, 0.2823,
0.3836

 0.0000, 0.0000,
0.0000

 110.4438, 0.2850,
0.3787

 140.4452, 0.2872,


0.3746

 175.4400, 0.2891,
0.3712


 13.7728, 0.2542,
0.4353


 13.7728, 0.2542,
0.4353


 13.7747, 0.2543,
0.4353

 13.9115, 0.2539,
0.4232

 14.0885, 0.2546,
0.4112

 14.3327, 0.2572,
0.3992

 14.6515, 0.2615,
0.3874

 15.0513, 0.2675,
0.3760

■ 15.5378, 0.2748,
0.3651

■ 16.1164, 0.2833,
0.3549

■ 16.7917, 0.2926,
0.3455

■ 17.5681, 0.3025,
0.3368

Harmonies

Analogous

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



13.7728, 0.3330, 0.4863



13.7728, 0.2542, 0.4353



13.7728, 0.1958, 0.3427

Triad

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



13.7728, 0.2542, 0.4353



13.7728, 0.2089, 0.2015



13.7728, 0.4809, 0.3596

Complementary

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



13.7728, 0.2542, 0.4353



4.0690, 0.5566, 0.2840

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.



13.7728, 0.4404, 0.2999



13.7728, 0.2542, 0.4353



13.7728, 0.2731, 0.2139

Square

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



13.7728, 0.2542, 0.4353



13.7728, 0.1743, 0.2157



13.7728, 0.3593, 0.2486



13.7728, 0.4668, 0.4211

Rectangle

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



13.7728, 0.2542, 0.4353



13.7728, 0.1745, 0.2853



13.7728, 0.3593, 0.2486



13.7728, 0.4734, 0.3392

Sweetspot

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



13.7747, 0.2543, 0.4353



28.7711, 0.2826, 0.3557



13.6400, 0.3196, 0.5844



6.7311, 0.2796, 0.3591



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.



13.7747, 0.2543, 0.4353



24.6372, 0.2551, 0.4382



10.2886, 0.2103, 0.2771



4.1358, 0.3035, 0.3360



14.6310, 0.2543, 0.4356



71.1360, 0.2561, 0.4420

Inverse Universe

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



4.0690, 0.5566, 0.2840



7.2620, 0.5629, 0.2874



4.4170, 0.6180, 0.3475



3.7188, 0.3229, 0.3221



4.3208, 0.5573, 0.2844



20.9133, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 13.7728, 0.2542, 0.4353 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 13.7728, 0.2542, 0.4353 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 13.7728, 0.2542, 0.4353

Background



This preview shows how black text looks on a background with the Yxy color 13.7728, 0.2542, 0.4353.



This preview shows how white text looks on a background with the Yxy color 13.7728, 0.2542, 0.4353.

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

13.7728, 0.2542, 0.4353

Protanopia

13.6263, 0.3678, 0.3936

Deuteranopia

13.5568, 0.3668, 0.3602



Tritanopia

13.9361, 0.2318, 0.3075

Trichromacy



Original Color

13.7728, 0.2542, 0.4353

Protanomaly

12.7987, 0.3025, 0.4131

Deuteranomaly

12.4691, 0.3007, 0.3867

Tritanomaly

13.7719, 0.2380, 0.3516

Monochromacy



Original Color

13.7728, 0.2542, 0.4353

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.2480, 0.2713, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7728, 0.2542, 0.4353 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 80) }
```

Border

The CSS property to change the border of an element to Yxy 13.7728, 0.2542, 0.4353 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, 80) }
```

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

```
.border{ border-color:rgb(0, 119, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7728, 0.2542, 0.4353 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, 80) }
```

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

```
.background{ background-color: rgb(0, 119,  
80) }
```

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