

Converting Colors

$Y_{xy}(13.9802, 0.2726, 0.5014)$

Have a look what the booklet for
Yxy(13.9802, 0.2726, 0.5014)
contains.

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Color

Yxy(13.9802, 0.2726, 0.5014)

Conversions

Conversions Part 1

Format	Color
Hex	00793A
RGB	0, 121, 58
RGB Percent	0%, 47%, 23%
CMY	1.0000, 0.5255, 0.7725
CMYK	1.00, 0.00, 0.52, 0.53
HSL	149°, 100%, 24%
HSV	149°, 100%, 47%
XYZ	7.6007, 13.9802, 6.3014
YIQ	77.6390, -51.8930, -45.2450

Conversions

Conversions Part 2

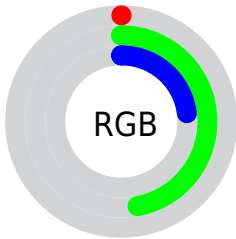
Format	Color
RYB	0, 82, 121
Decimal	31034
CIELab	44.20, -44.09, 26.44
CIELCh	44, 51.408, 149.048
Yxy	13.9802, 0.2726, 0.5014
Android (android.graphics.Color)	4278221114 (0xFF00793A)
YUV	77.6390, -9.6820, -68.0894
Hunter-Lab	37.3901, -29.1469, 16.1808

Details

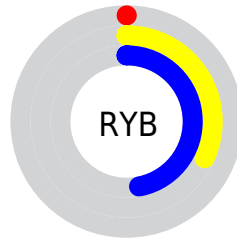
The Yxy color **13.9802, 0.2726, 0.5014** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.4240, 0.4799, 0.2418**, and the grayscale version is **7.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8492, 0.2860, 0.4534**, and **4.5330, 0.2917, 0.5700** is the 20% darker color. If you saturate the color by 10%, you get **13.9811, 0.2726, 0.5014**, and if you desaturate by 10%, it is **14.1280, 0.2709, 0.4829**.

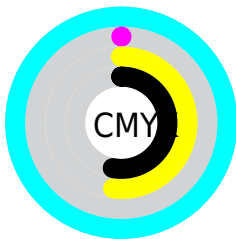
Distribution



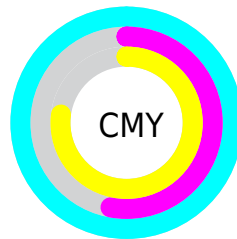
- Red (0%)
- Green (47%)
- Blue (23%)



- Red (0%)
- Yellow (32%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9802, 0.2726, 0.5014 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 13.9802, 0.2726, 0.5014 by changing the saturation by 10% instead.


 13.9802, 0.2726,
0.5014


 13.9802, 0.2726,
0.5014


217.1076, 0.3008,
0.3910

 8.1069, 0.2601,
0.5421


 33.0539, 0.2860,
0.4530

 4.1634, 0.2385,
0.6055

 47.0231, 0.2899,
0.4376

 1.7654, 0.1916,
0.8084

 64.4597, 0.2929,
0.4256

 0.4655, 0.0000,
1.0000

 85.7481, 0.2952,
0.4159


 0.0000, 0.0000,
0.0000


 111.2727, 0.2970,
0.4080


 141.4179, 0.2985,


0.4014


 176.5680, 0.2997,
0.3958


 13.9802, 0.2726,
0.5014

 13.9802, 0.2726,
0.5014


 13.9811, 0.2726,
0.5014

 14.1280, 0.2709,
0.4829

 14.3220, 0.2702,
0.4637

 14.5905, 0.2713,
0.4441

 14.9414, 0.2741,
0.4246

 15.3816, 0.2784,
0.4057

■ 15.9174, 0.2840,
0.3877

■ 16.5543, 0.2904,
0.3710

■ 17.2974, 0.2975,
0.3556

■ 18.1515, 0.3050,
0.3416

Harmonies

Analogous

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



13.9802, 0.3693, 0.5262



13.9802, 0.2726, 0.5014



13.9802, 0.1920, 0.3918

Triad

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



13.9802, 0.2726, 0.5014



13.9802, 0.1686, 0.1792



13.9802, 0.5096, 0.3320

Complementary

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



13.9802, 0.2726, 0.5014



4.4240, 0.4799, 0.2418

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.



13.9802, 0.4358, 0.2666



13.9802, 0.2726, 0.5014



13.9802, 0.2295, 0.1833

Square

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



13.9802, 0.2726, 0.5014



13.9802, 0.1423, 0.2067



13.9802, 0.3257, 0.2140



13.9802, 0.5130, 0.4034

Rectangle

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



13.9802, 0.2726, 0.5014



13.9802, 0.1586, 0.3108



13.9802, 0.3257, 0.2140



13.9802, 0.4921, 0.3094

Sweetspot

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



13.9811, 0.2726, 0.5014



29.5507, 0.2899, 0.3722



14.7835, 0.3437, 0.5653



6.6653, 0.2877, 0.3777



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.



13.9811, 0.2726, 0.5014



25.0067, 0.2738, 0.5056



14.9591, 0.2274, 0.3386



4.4790, 0.3057, 0.3404



14.9797, 0.2728, 0.5019



71.2847, 0.2753, 0.5109

Inverse Universe

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



4.4240, 0.4799, 0.2418



7.8932, 0.4848, 0.2444



4.0740, 0.6343, 0.3268



4.0466, 0.3203, 0.3179



4.7385, 0.4806, 0.2421



22.4300, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 13.9802, 0.2726, 0.5014 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 13.9802, 0.2726, 0.5014 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 13.9802, 0.2726, 0.5014

Background



This preview shows how black text looks on a background with the Yxy color 13.9802, 0.2726, 0.5014.



This preview shows how white text looks on a background with the Yxy color 13.9802, 0.2726, 0.5014.

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

13.9802, 0.2726, 0.5014

Protanopia

13.7934, 0.3990, 0.4354

Deuteranopia

13.9201, 0.4048, 0.4000



Tritanopia

14.0690, 0.2354, 0.3077

Trichromacy



Original Color

13.9802, 0.2726, 0.5014

Protanomaly

12.8347, 0.3291, 0.4698

Deuteranomaly

12.7784, 0.3308, 0.4431

Tritanomaly

13.8995, 0.2469, 0.3751

Monochromacy



Original Color

13.9802, 0.2726, 0.5014

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.1384, 0.2809, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9802, 0.2726, 0.5014 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, 121, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 58)  
}
```

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, 121, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.9802, 0.2726, 0.5014 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, 121, 58) }
```

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

```
.border{ border-color:rgb(0, 121, 58) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9802, 0.2726, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 58) }
```

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

```
.background{ background-color: rgb(0, 121,  
58) }
```

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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