

Converting Colors

$Y_{xy}(14.2391, 0.2795, 0.5263)$

Have a look what the booklet for
Yxy(14.2391, 0.2795, 0.5263)
contains.

Yxy(14.1408, 0.2794, 0.5258)	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(14.1408, 0.2794, 0.5258)

Conversions

Conversions Part 1

Format	Color
Hex	007A31
RGB	0, 122, 49
RGB Percent	0%, 48%, 19%
CMY	0.9999, 0.5216, 0.8078
CMYK	1.00, 0.00, 0.60, 0.52
HSL	144°, 100%, 24%
HSV	144°, 100%, 48%
XYZ	7.5141, 14.1408, 5.2389
YIQ	77.2000, -49.2790, -48.5670

Conversions

Conversions Part 2

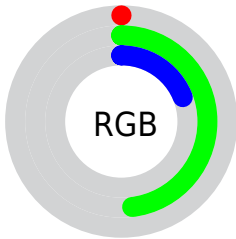
Format	Color
RYB	0, 87, 122
Decimal	31281
CIELab	44.43, -45.90, 31.45
CIELCh	44, 55.642, 145.577
Yxy	14.1408, 0.2794, 0.5258
Android (android.graphics.Color)	4278221361 (0xFF007A31)
YUV	77.2000, -13.9026, -67.7044
Hunter-Lab	37.6043, -30.1393, 18.0628

Details

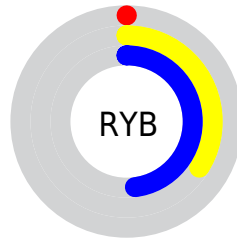
The Yxy color **14.1408, 0.2794, 0.5258** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6199, 0.4488, 0.2247**, and the grayscale version is **7.4960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5103, 0.2919, 0.4705**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.1410, 0.2794, 0.5258**, and if you desaturate by 10%, it is **14.2878, 0.2774, 0.5058**.

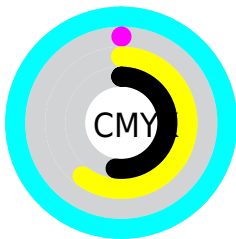
Distribution



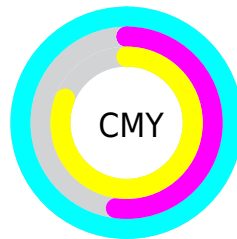
- Red (0%)
- Green (48%)
- Blue (19%)



- Red (0%)
- Yellow (34%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.1408, 0.2794, 0.5258 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 14.1408, 0.2794, 0.5258 by changing the saturation by 10% instead.


 14.1408, 0.2794,
0.5258


 14.1408, 0.2794,
0.5258


218.1050, 0.3049,
0.3998


 8.2187, 0.2667,
0.5715


 33.3386, 0.2922,
0.4708


 4.2352, 0.2442,
0.6426

 47.3831, 0.2958,
0.4532

 1.8060, 0.1807,
0.8193

 64.9039, 0.2984,
0.4394

 0.4909, 0.0000,
1.0000

 86.2853, 0.3003,
0.4283

 0.0000, 0.0000,
0.0000

 111.9117, 0.3019,
0.4193

 142.1675, 0.3031,

0.4117

177.4371, 0.3041,
0.4053

■ 14.1408, 0.2794,
0.5258

■ 14.1408, 0.2794,
0.5258

■ 14.1410, 0.2794,
0.5258

■ 14.2878, 0.2774,
0.5058

■ 14.4846, 0.2763,
0.4845

■ 14.7597, 0.2770,
0.4622

■ 15.1213, 0.2792,
0.4398

■ 15.5766, 0.2829,
0.4179

■ 16.1320, 0.2877,
0.3970

■ 16.7934, 0.2934,
0.3775

■ 17.5661, 0.2996,
0.3596

■ 18.4551, 0.3061,
0.3435

Harmonies

Analogous

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



14.1408, 0.3817, 0.5369



14.1408, 0.2794, 0.5258



14.1408, 0.1912, 0.4127

Triad

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



14.1408, 0.2794, 0.5258



14.1408, 0.1553, 0.1717



14.1408, 0.5187, 0.3217

Complementary

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



14.1408, 0.2794, 0.5258



4.6199, 0.4488, 0.2247

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.



14.1408, 0.4321, 0.2548



14.1408, 0.2794, 0.5258



14.1408, 0.2143, 0.1730

Square

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



14.1408, 0.2794, 0.5258



14.1408, 0.1318, 0.2041



14.1408, 0.3125, 0.2021



14.1408, 0.5291, 0.3955

Rectangle

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



14.1408, 0.2794, 0.5258



14.1408, 0.1534, 0.3222



14.1408, 0.3125, 0.2021



14.1408, 0.4973, 0.2985

Sweetspot

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



14.1414, 0.2794, 0.5258



29.4500, 0.2929, 0.3789



15.3443, 0.3534, 0.5576



6.6404, 0.2910, 0.3854



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.



14.1414, 0.2794, 0.5258



24.8520, 0.2806, 0.5301



15.0412, 0.2331, 0.3591



4.4742, 0.3067, 0.3421



14.8863, 0.2795, 0.5263



70.8503, 0.2821, 0.5356

Inverse Universe

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



4.6199, 0.4488, 0.2247



8.0987, 0.4527, 0.2268



4.1655, 0.6230, 0.3206



4.0515, 0.3192, 0.3163



4.8613, 0.4493, 0.2249



23.0171, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 14.1408, 0.2794, 0.5258 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 14.1408, 0.2794, 0.5258 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 14.1408, 0.2794, 0.5258

Background



This preview shows how black text looks on a background with the Yxy color 14.1408, 0.2794, 0.5258.



This preview shows how white text looks on a background with the Yxy color 14.1408, 0.2794, 0.5258.

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

14.1408, 0.2794, 0.5258

Protanopia

14.0669, 0.4099, 0.4490

Deuteranopia

13.9794, 0.4199, 0.4149



Tritanopia

14.1182, 0.2353, 0.3055

Trichromacy



Original Color

14.1408, 0.2794, 0.5258

Protanomaly

13.0220, 0.3378, 0.4887

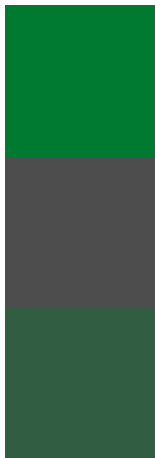
Deuteranomaly

12.7315, 0.3423, 0.4636

Tritanomaly

13.8770, 0.2491, 0.3805

Monochromacy



Original Color

14.1408, 0.2794, 0.5258

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.8869, 0.2844, 0.4080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1408, 0.2794, 0.5258 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, 122, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 49)  
}
```

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, 122, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 49) }
```

Border

The CSS property to change the border of an element to Yxy 14.1408, 0.2794, 0.5258 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, 122, 49) }
```

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

```
.border{ border-color:rgb(0, 122, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1408, 0.2794, 0.5258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 49) }
```

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

```
.background{ background-color: rgb(0, 122,  
49) }
```

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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