

Converting Colors

$Y_{xy}(12.9722, 0.2815, 0.5335)$

Have a look what the booklet for
Yxy(12.9722, 0.2815, 0.5335)
contains.

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Color

Yxy(12.9044, 0.2812, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	00752C
RGB	0, 117, 44
RGB Percent	0%, 46%, 17%
CMY	1.0000, 0.5412, 0.8274
CMYK	1.00, 0.00, 0.62, 0.54
HSL	143°, 100%, 23%
HSV	143°, 100%, 46%
XYZ	6.8145, 12.9044, 4.5147
YIQ	73.6950, -46.2990, -47.5070

Conversions

Conversions Part 2

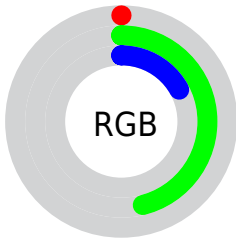
Format	Color
RYB	0, 85, 117
Decimal	29996
CIELab	42.62, -44.95, 31.84
CIELCh	43, 55.088, 144.687
Yxy	12.9044, 0.2812, 0.5325
Android (android.graphics.Color)	4278220076 (0xFF00752C)
YUV	73.6950, -14.6396, -64.6305
Hunter-Lab	35.9227, -29.0035, 17.6944

Details

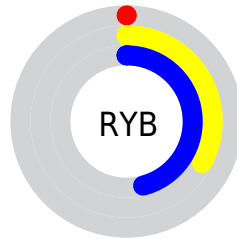
The Yxy color **12.9044, 0.2812, 0.5325** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2634, 0.4384, 0.2189**, and the grayscale version is **6.8243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0587, 0.2947, 0.4745**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9059, 0.2812, 0.5325**, and if you desaturate by 10%, it is **13.0418, 0.2794, 0.5121**.

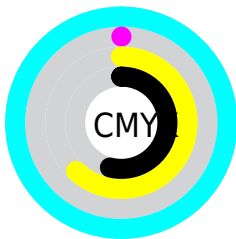
Distribution



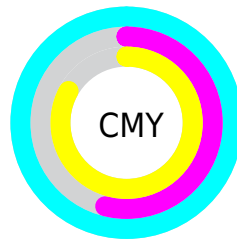
- Red (0%)
- Green (46%)
- Blue (17%)



- Red (0%)
- Yellow (33%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9044, 0.2812, 0.5325 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 12.9044, 0.2812, 0.5325 by changing the saturation by 10% instead.


 12.9044, 0.2812,
0.5325


 12.9044, 0.2812,
0.5325

210.3041, 0.3062,
0.4007


 7.3627, 0.2678,
0.5813


 31.1319, 0.2942,
0.4744


 3.6900, 0.2456,
0.6643

 44.5866, 0.2977,
0.4560


 1.5017, 0.1330,
0.8670

 61.4477, 0.3002,
0.4417

 0.2899, 0.0000,
1.0000

 82.0997, 0.3020,
0.4302


 0.0000, 0.0000,
0.0000


 106.9269, 0.3035,
0.4208


 136.3138, 0.3046,


0.4130


 170.6447, 0.3055,
0.4064


 12.9044, 0.2812,
0.5325


 12.9044, 0.2812,
0.5325

 12.9059, 0.2812,
0.5325

 13.0418, 0.2794,
0.5121

 13.2226, 0.2783,
0.4903

 13.4754, 0.2788,
0.4674

 13.8075, 0.2810,
0.4442

 14.2254, 0.2845,
0.4214

■ 14.7351, 0.2891,
0.3997

■ 15.3417, 0.2944,
0.3795

■ 16.0503, 0.3003,
0.3609

■ 16.8652, 0.3065,
0.3441

Harmonies

Analogous

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



12.9044, 0.3850, 0.5394



12.9044, 0.2812, 0.5325



12.9044, 0.1910, 0.4187

Triad

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



12.9044, 0.2812, 0.5325



12.9044, 0.1517, 0.1697



12.9044, 0.5212, 0.3188

Complementary

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



12.9044, 0.2812, 0.5325



4.2634, 0.4384, 0.2189

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.



12.9044, 0.4310, 0.2515



12.9044, 0.2812, 0.5325



12.9044, 0.2101, 0.1702

Square

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



12.9044, 0.2812, 0.5325



12.9044, 0.1290, 0.2033



12.9044, 0.3088, 0.1988



12.9044, 0.5335, 0.3932

Rectangle

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



12.9044, 0.2812, 0.5325



12.9044, 0.1520, 0.3255



12.9044, 0.3088, 0.1988



12.9044, 0.4986, 0.2955

Sweetspot

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



12.9059, 0.2812, 0.5325



27.3789, 0.2940, 0.3810



14.1840, 0.3587, 0.5534



6.2091, 0.2922, 0.3875



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.9059, 0.2812, 0.5325



23.0833, 0.2825, 0.5370



13.6716, 0.2360, 0.3695



4.1189, 0.3071, 0.3425



14.2150, 0.2815, 0.5333



69.1169, 0.2841, 0.5429

Inverse Universe

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



4.2634, 0.4384, 0.2189



7.6069, 0.4421, 0.2209



3.8186, 0.6156, 0.3165



3.7357, 0.3188, 0.3158



4.6938, 0.4391, 0.2192



22.7030, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 12.9044, 0.2812, 0.5325 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 12.9044, 0.2812, 0.5325 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 12.9044, 0.2812, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 12.9044, 0.2812, 0.5325.



This preview shows how white text looks on a background with the Yxy color 12.9044, 0.2812, 0.5325.

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

12.9044, 0.2812, 0.5325

Protanopia

12.8986, 0.4121, 0.4543

Deuteranopia

12.8811, 0.4248, 0.4187



Tritanopia

13.0642, 0.2373, 0.3095

Trichromacy



Original Color

12.9044, 0.2812, 0.5325



Protanomaly

12.0151, 0.3404, 0.4954



Deuteranomaly

11.7763, 0.3470, 0.4693



Tritanomaly

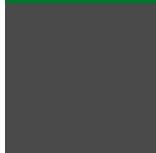
12.8416, 0.2516, 0.3879

Monochromacy



Original Color

12.9044, 0.2812, 0.5325



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

8.2755, 0.2863, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9044, 0.2812, 0.5325 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, 117, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 44)  
}
```

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, 117, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 44) }
```

Border

The CSS property to change the border of an element to Yxy 12.9044, 0.2812, 0.5325 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, 117, 44) }
```

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

```
.border{ border-color:rgb(0, 117, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9044, 0.2812, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 44) }
```

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

```
.background{ background-color: rgb(0, 117,  
44) }
```

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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