

Converting Colors

$Yxy(11.1102, 0.1735, 0.6024)$

Have a look what the booklet for
Yxy(11.1102, 0.1735, 0.6024)
contains.

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Color

Yxy(12.8897, 0.2826, 0.5373)

Conversions

Conversions Part 1

Format	Color
Hex	00752A
RGB	0, 117, 42
RGB Percent	0%, 46%, 16%
CMY	0.9998, 0.5412, 0.8353
CMYK	1.00, 0.00, 0.64, 0.54
HSL	142°, 100%, 23%
HSV	142°, 100%, 46%
XYZ	6.7795, 12.8897, 4.3206
YIQ	73.4670, -45.6570, -48.1290

Conversions

Conversions Part 2

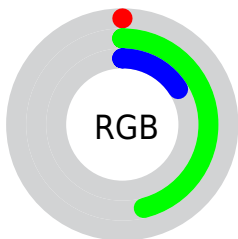
Format	Color
RYB	0, 86, 117
Decimal	29994
CIELab	42.60, -45.21, 32.81
CIELCh	43, 55.864, 144.030
Yxy	12.8897, 0.2826, 0.5373
Android (android.graphics.Color)	4278220074 (0xFF00752A)
YUV	73.4670, -15.5132, -64.4306
Hunter-Lab	35.9022, -29.1223, 17.9965

Details

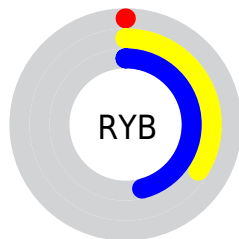
The Yxy color **12.8897, 0.2826, 0.5373** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2917, 0.4317, 0.2152**, and the grayscale version is **6.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0241, 0.2960, 0.4782**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.8897, 0.2826, 0.5374**, and if you desaturate by 10%, it is **13.0251, 0.2807, 0.5168**.

Distribution



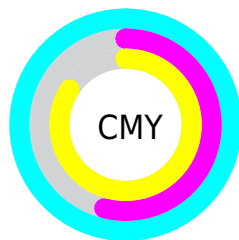
- Red (0%)
- Green (46%)
- Blue (16%)



- Red (0%)
- Yellow (34%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8897, 0.2826, 0.5373 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 12.8897, 0.2826, 0.5373 by changing the saturation by 10% instead.


 12.8897, 0.2826,
0.5373


 12.8897, 0.2826,
0.5373


210.2096, 0.3071,
0.4024


 7.3526, 0.2690,
0.5870


 31.1055, 0.2956,
0.4779


 3.6836, 0.2474,
0.6740

 44.5530, 0.2990,
0.4591

 1.4982, 0.1289,
0.8711

 61.4061, 0.3014,
0.4444

 0.2875, 0.0000,
1.0000

 82.0492, 0.3032,
0.4326


 0.0000, 0.0000,
0.0000

 106.8667, 0.3045,
0.4230


 136.2430, 0.3056,


0.4150


 170.5625, 0.3064,
0.4082


 12.8897, 0.2826,
0.5373


 12.8897, 0.2826,
0.5373


 12.8897, 0.2826,
0.5374

 13.0251, 0.2807,
0.5168

 13.2057, 0.2796,
0.4947

 13.4586, 0.2801,
0.4712

 13.7915, 0.2821,
0.4474

 14.2108, 0.2855,
0.4240

■ 14.7225, 0.2899,
0.4017

■ 15.3318, 0.2951,
0.3808

■ 16.0436, 0.3008,
0.3617

■ 16.8626, 0.3067,
0.3444

Harmonies

Analogous

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



12.8897, 0.3875, 0.5411



12.8897, 0.2826, 0.5373



12.8897, 0.1909, 0.4233

Triad

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



12.8897, 0.2826, 0.5373



12.8897, 0.1492, 0.1683



12.8897, 0.5228, 0.3167

Complementary

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



12.8897, 0.2826, 0.5373



4.2917, 0.4317, 0.2152

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.



12.8897, 0.4300, 0.2492



12.8897, 0.2826, 0.5373



12.8897, 0.2072, 0.1683

Square

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



12.8897, 0.2826, 0.5373



12.8897, 0.1270, 0.2029



12.8897, 0.3061, 0.1965



12.8897, 0.5367, 0.3914

Rectangle

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



12.8897, 0.2826, 0.5373



12.8897, 0.1511, 0.3280



12.8897, 0.3061, 0.1965



12.8897, 0.4994, 0.2933

Sweetspot

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



12.8902, 0.2826, 0.5373



27.3587, 0.2947, 0.3825



14.2621, 0.3613, 0.5513



6.2041, 0.2929, 0.3892



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.



12.8902, 0.2826, 0.5373



23.0571, 0.2839, 0.5419



13.6327, 0.2375, 0.3749



4.1179, 0.3073, 0.3429



14.1986, 0.2828, 0.5382



69.0411, 0.2855, 0.5477

Inverse Universe

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



4.2917, 0.4317, 0.2152



7.6564, 0.4353, 0.2172



3.8253, 0.6116, 0.3144



3.7367, 0.3186, 0.3155



4.7240, 0.4324, 0.2156



22.8529, 0.4400, 0.2198

Previews

White Background



This preview shows how the Yxy color 12.8897, 0.2826, 0.5373 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 12.8897, 0.2826, 0.5373 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 12.8897, 0.2826, 0.5373

Background



This preview shows how black text looks on a background with the Yxy color 12.8897, 0.2826, 0.5373.



This preview shows how white text looks on a background with the Yxy color 12.8897, 0.2826, 0.5373.

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

12.8897, 0.2826, 0.5373

Protanopia

12.8857, 0.4141, 0.4573

Deuteranopia

12.8726, 0.4261, 0.4203



Tritanopia

13.0642, 0.2373, 0.3095

Trichromacy



Original Color

12.8897, 0.2826, 0.5373



Protanomaly

12.0015, 0.3422, 0.4995



Deuteranomaly

11.7602, 0.3491, 0.4737



Tritanomaly

12.8245, 0.2525, 0.3907

Monochromacy



Original Color

12.8897, 0.2826, 0.5373



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

8.0734, 0.2861, 0.4148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8897, 0.2826, 0.5373 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 42) }
```

Border

The CSS property to change the border of an element to Yxy 12.8897, 0.2826, 0.5373 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, 42) }
```

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

```
.border{ border-color:rgb(0, 117, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8897, 0.2826, 0.5373 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, 42) }
```

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

```
.background{ background-color: rgb(0, 117,  
42) }
```

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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