

Converting Colors

$Y_{xy}(11.4688, 0.2283, 0.5607)$

Have a look what the booklet for
Yxy(11.4688, 0.2283, 0.5607)
contains.

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Color

Yxy(12.4433, 0.2806, 0.5303)

Conversions

Conversions Part 1

Format	Color
Hex	00732C
RGB	0, 115, 44
RGB Percent	0%, 45%, 17%
CMY	1.0000, 0.5490, 0.8275
CMYK	1.00, 0.00, 0.62, 0.55
HSL	143°, 100%, 23%
HSV	143°, 100%, 45%
XYZ	6.5842, 12.4433, 4.4372
YIQ	72.5210, -45.7490, -46.4610

Conversions

Conversions Part 2

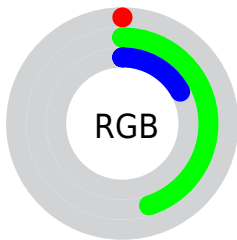
Format	Color
RYB	0, 83, 115
Decimal	29484
CIELab	41.91, -44.27, 31.02
CIELCh	42, 54.061, 144.980
Yxy	12.4433, 0.2806, 0.5303
Android (android.graphics.Color)	4278219564 (0xFF00732C)
YUV	72.5210, -14.0609, -63.6009
Hunter-Lab	35.2751, -28.4139, 17.2346

Details

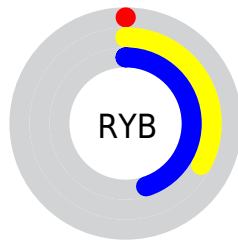
The Yxy color **12.4433, 0.2806, 0.5303** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1003, 0.4406, 0.2201**, and the grayscale version is **6.6063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2738, 0.2939, 0.4724**, and **3.7806, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4446, 0.2806, 0.5303**, and if you desaturate by 10%, it is **12.5772, 0.2788, 0.5100**.

Distribution



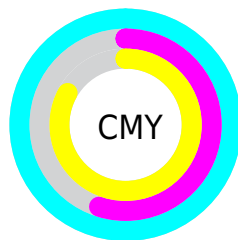
- Red (0%)
- Green (45%)
- Blue (17%)



- Red (0%)
- Yellow (33%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4433, 0.2806, 0.5303 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 12.4433, 0.2806, 0.5303 by changing the saturation by 10% instead.


 12.4433, 0.2806,
0.5303


 12.4433, 0.2806,
0.5303


207.3184, 0.3059,
0.3994


 7.0463, 0.2670,
0.5794


 30.3000, 0.2938,
0.4723

 3.4911, 0.2450,
0.6651

 43.5284, 0.2973,
0.4540

 1.3932, 0.1103,
0.8897

 60.1362, 0.2998,
0.4398

 0.2117, 0.0000,
1.0000

 80.5077, 0.3017,
0.4284


 0.0000, 0.0000,
0.0000


 105.0272, 0.3031,
0.4192


 134.0793, 0.3042,


0.4115

 168.0482, 0.3052,
0.4050


 12.4433, 0.2806,
0.5303


 12.4433, 0.2806,
0.5303


 12.4446, 0.2806,
0.5303

 12.5772, 0.2788,
0.5100

 12.7524, 0.2778,
0.4883

 12.9965, 0.2784,
0.4656

 13.3167, 0.2806,
0.4427

 13.7193, 0.2841,
0.4202

■ 14.2097, 0.2888,
0.3988

■ 14.7930, 0.2942,
0.3788

■ 15.4740, 0.3001,
0.3605

■ 16.2569, 0.3064,
0.3439

Harmonies

Analogous

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



12.4433, 0.3839, 0.5386



12.4433, 0.2806, 0.5303



12.4433, 0.1911, 0.4167

Triad

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



12.4433, 0.2806, 0.5303



12.4433, 0.1529, 0.1704



12.4433, 0.5204, 0.3198

Complementary

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



12.4433, 0.2806, 0.5303



4.1003, 0.4406, 0.2201

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.



12.4433, 0.4314, 0.2526



12.4433, 0.2806, 0.5303



12.4433, 0.2115, 0.1711

Square

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



12.4433, 0.2806, 0.5303



12.4433, 0.1299, 0.2036



12.4433, 0.3101, 0.1999



12.4433, 0.5321, 0.3939

Rectangle

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



12.4433, 0.2806, 0.5303



12.4433, 0.1525, 0.3244



12.4433, 0.3101, 0.1999



12.4433, 0.4982, 0.2965

Sweetspot

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



12.4446, 0.2806, 0.5303



26.3986, 0.2938, 0.3803



13.6728, 0.3588, 0.5533



6.2110, 0.2919, 0.3869



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.



12.4446, 0.2806, 0.5303



22.2576, 0.2819, 0.5349



13.1765, 0.2360, 0.3694



4.1193, 0.3070, 0.3424



14.2213, 0.2810, 0.5315



69.1463, 0.2836, 0.5410

Inverse Universe

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



4.1003, 0.4406, 0.2201



7.3152, 0.4445, 0.2222



3.6807, 0.6152, 0.3163



3.7353, 0.3189, 0.3160



4.6827, 0.4416, 0.2206



22.6485, 0.4498, 0.2252

Previews

White Background



This preview shows how the Yxy color 12.4433, 0.2806, 0.5303 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 12.4433, 0.2806, 0.5303 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 12.4433, 0.2806, 0.5303

Background



This preview shows how black text looks on a background with the Yxy color 12.4433, 0.2806, 0.5303.



This preview shows how white text looks on a background with the Yxy color 12.4433, 0.2806, 0.5303.

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

12.4433, 0.2806, 0.5303

Protanopia

12.3852, 0.4115, 0.4527

Deuteranopia

12.3006, 0.4225, 0.4170



Tritanopia

12.5669, 0.2372, 0.3092

Trichromacy



Original Color

12.4433, 0.2806, 0.5303



Protanomaly

11.5653, 0.3402, 0.4931



Deuteranomaly

11.2939, 0.3452, 0.4672



Tritanomaly

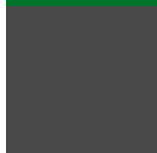
12.3683, 0.2508, 0.3860

Monochromacy



Original Color

12.4433, 0.2806, 0.5303



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.9081, 0.2859, 0.4121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4433, 0.2806, 0.5303 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, 115, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 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, 115, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 44) }
```

Border

The CSS property to change the border of an element to Yxy 12.4433, 0.2806, 0.5303 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, 115, 44) }
```

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

```
.border{ border-color:rgb(0, 115, 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, 115, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4433, 0.2806, 0.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 44) }
```

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

```
.background{ background-color: rgb(0, 115,  
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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