

Converting Colors

$Y_{xy}(11.0967, 0.2172, 0.5523)$

Have a look what the booklet for
Yxy(11.0967, 0.2172, 0.5523)
contains.

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Color

Yxy(12.2399, 0.2782, 0.5213)

Conversions

Conversions Part 1

Format	Color
Hex	00722F
RGB	0, 114, 47
RGB Percent	0%, 45%, 18%
CMY	0.9993, 0.5530, 0.8157
CMYK	1.00, 0.00, 0.59, 0.55
HSL	145°, 100%, 22%
HSV	145°, 100%, 45%
XYZ	6.5320, 12.2399, 4.7077
YIQ	72.2760, -46.4370, -45.0050

Conversions

Conversions Part 2

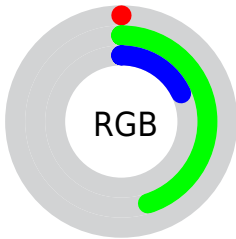
Format	Color
RYB	0, 81, 114
Decimal	29231
CIELab	41.59, -43.45, 29.11
CIELCh	42, 52.297, 146.183
Yxy	12.2399, 0.2782, 0.5213
Android (android.graphics.Color)	4278219311 (0xFF00722F)
YUV	72.2760, -12.4611, -63.3861
Hunter-Lab	34.9856, -27.8977, 16.5118

Details

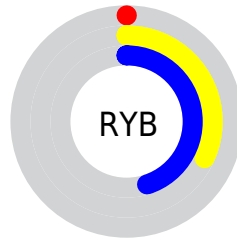
The Yxy color **12.2399, 0.2782, 0.5213** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9882, 0.4513, 0.2262**, and the grayscale version is **6.5675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9195, 0.2912, 0.4657**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.2385, 0.2782, 0.5216**, and if you desaturate by 10%, it is **12.3728, 0.2764, 0.5014**.

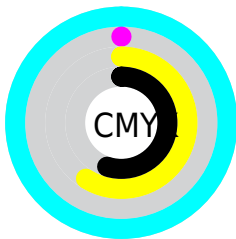
Distribution



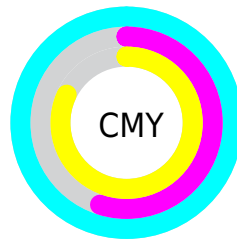
- Red (0%)
- Green (45%)
- Blue (18%)



- Red (0%)
- Yellow (32%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2399, 0.2782, 0.5213 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 12.2399, 0.2782, 0.5213 by changing the saturation by 10% instead.


 12.2399, 0.2782,
0.5213


 12.2399, 0.2782,
0.5213


205.9871, 0.3044,
0.3960


 6.9073, 0.2647,
0.5688


 29.9313, 0.2915,
0.4656


 3.4042, 0.2420,
0.6496

 43.0588, 0.2952,
0.4481


 1.3462, 0.1059,
0.8941

 59.5535, 0.2978,
0.4345

 0.1766, 0.0000,
1.0000


 79.7996, 0.2998,
0.4237


 0.0000, 0.0000,
0.0000


 104.1817, 0.3014,
0.4149


 133.0840, 0.3026,

0.4075


 166.8910, 0.3036,
0.4013

 12.2399, 0.2782,
0.5213


 12.2399, 0.2782,
0.5213


 12.2385, 0.2782,
0.5216

 12.3728, 0.2764,
0.5014

 12.5466, 0.2755,
0.4804

 12.7873, 0.2763,
0.4586

 13.1019, 0.2788,
0.4367

 13.4963, 0.2826,
0.4153

■ 13.9760, 0.2875,
0.3950

■ 14.5458, 0.2932,
0.3761

■ 15.2104, 0.2995,
0.3587

■ 15.9738, 0.3061,
0.3429

Harmonies

Analogous

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



12.2399, 0.3795, 0.5350



12.2399, 0.2782, 0.5213



12.2399, 0.1914, 0.4087

Triad

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



12.2399, 0.2782, 0.5213



12.2399, 0.1577, 0.1731



12.2399, 0.5170, 0.3236

Complementary

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



12.2399, 0.2782, 0.5213



3.9882, 0.4513, 0.2262

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.



12.2399, 0.4328, 0.2569



12.2399, 0.2782, 0.5213



12.2399, 0.2170, 0.1749

Square

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



12.2399, 0.2782, 0.5213



12.2399, 0.1337, 0.2046



12.2399, 0.3149, 0.2042



12.2399, 0.5262, 0.3969

Rectangle

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



12.2399, 0.2782, 0.5213



12.2399, 0.1544, 0.3200



12.2399, 0.3149, 0.2042



12.2399, 0.4963, 0.3005

Sweetspot

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



12.2404, 0.2782, 0.5213



25.4633, 0.2927, 0.3777



13.2802, 0.3538, 0.5571



5.8114, 0.2908, 0.3837



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2404, 0.2782, 0.5213



21.4837, 0.2795, 0.5261



13.0067, 0.2330, 0.3588



3.7839, 0.3067, 0.3416



13.6213, 0.2785, 0.5225



67.6905, 0.2812, 0.5324

Inverse Universe

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



3.9882, 0.4513, 0.2262



6.9755, 0.4558, 0.2285



3.6064, 0.6214, 0.3200



3.4314, 0.3193, 0.3167



4.4314, 0.4525, 0.2266



21.9003, 0.4618, 0.2318

Previews

White Background



This preview shows how the Yxy color 12.2399, 0.2782, 0.5213 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 12.2399, 0.2782, 0.5213 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 12.2399, 0.2782, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 12.2399, 0.2782, 0.5213.



This preview shows how white text looks on a background with the Yxy color 12.2399, 0.2782, 0.5213.

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

12.2399, 0.2782, 0.5213

Protanopia

12.1537, 0.4078, 0.4469

Deuteranopia

12.0788, 0.4180, 0.4104



Tritanopia

12.3342, 0.2360, 0.3066

Trichromacy



Original Color

12.2399, 0.2782, 0.5213

Protanomaly

11.3477, 0.3364, 0.4857

Deuteranomaly

11.0829, 0.3408, 0.4589

Tritanomaly

12.1684, 0.2494, 0.3807

Monochromacy



Original Color

12.2399, 0.2782, 0.5213

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.7561, 0.2844, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2399, 0.2782, 0.5213 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, 114, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 47)  
}
```

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, 114, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 47) }
```

Border

The CSS property to change the border of an element to Yxy 12.2399, 0.2782, 0.5213 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, 114, 47) }
```

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

```
.border{ border-color:rgb(0, 114, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2399, 0.2782, 0.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 47) }
```

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

```
.background{ background-color: rgb(0, 114,  
47) }
```

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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