

Converting Colors

$Yxy(11.1824, 0.2422, 0.5396)$

Have a look what the booklet for
Yxy(11.1824, 0.2422, 0.5396)
contains.

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Color

Yxy(11.7856, 0.2782, 0.5215)

Conversions

Conversions Part 1

Format	Color
Hex	00702E
RGB	0, 112, 46
RGB Percent	0%, 44%, 18%
CMY	1.0000, 0.5608, 0.8197
CMYK	1.00, 0.00, 0.59, 0.56
HSL	145°, 100%, 22%
HSV	145°, 100%, 44%
XYZ	6.2872, 11.7856, 4.5267
YIQ	70.9880, -45.5660, -44.2700

Conversions

Conversions Part 2

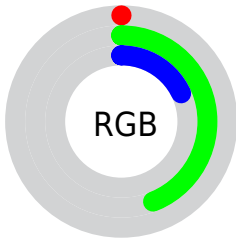
Format	Color
RYB	0, 79, 112
Decimal	28718
CIELab	40.87, -42.93, 28.77
CIELCh	41, 51.681, 146.169
Yxy	11.7856, 0.2782, 0.5215
Android (android.graphics.Color)	4278218798 (0xFF00702E)
YUV	70.9880, -12.3191, -62.2565
Hunter-Lab	34.3302, -27.3876, 16.2133

Details

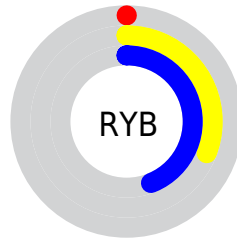
The Yxy color **11.7856, 0.2782, 0.5215** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8388, 0.4510, 0.2258**, and the grayscale version is **6.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1743, 0.2917, 0.4651**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.7860, 0.2782, 0.5215**, and if you desaturate by 10%, it is **11.9147, 0.2765, 0.5016**.

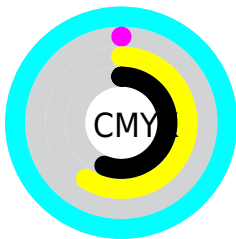
Distribution



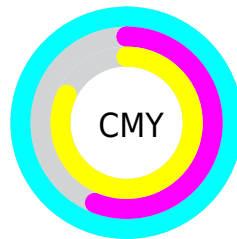
- Red (0%)
- Green (44%)
- Blue (18%)



- Red (0%)
- Yellow (31%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7856, 0.2782, 0.5215 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 11.7856, 0.2782, 0.5215 by changing the saturation by 10% instead.

■ 11.7856, 0.2782,
0.5215

■ 11.7856, 0.2782,
0.5215

■ 202.9807, 0.3045,
0.3955

■ 6.5979, 0.2645,
0.5698

■ 29.1040, 0.2916,
0.4653

■ 3.2119, 0.2421,
0.6550

■ 42.0035, 0.2953,
0.4477

■ 1.2433, 0.0718,
0.9282

■ 58.2423, 0.2979,
0.4340

■ 0.0967, 0.0000,
1.0000


■ 78.2049, 0.2999,
0.4232

■ 0.0000, 0.0000,
0.0000

■ 102.2756, 0.3015,
0.4143


■ 130.8389, 0.3027,


0.4070


 164.2791, 0.3037,
0.4008


 11.7856, 0.2782,
0.5215


 11.7856, 0.2782,
0.5215


 11.7860, 0.2782,
0.5215

 11.9147, 0.2765,
0.5016

 12.0819, 0.2756,
0.4806

 12.3133, 0.2764,
0.4588

 12.6156, 0.2788,
0.4369

 12.9945, 0.2826,
0.4155

■ 13.4551, 0.2875,
0.3952

■ 14.0023, 0.2932,
0.3763

■ 14.6403, 0.2995,
0.3589

■ 15.3731, 0.3060,
0.3431

Harmonies

Analogous

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



11.7856, 0.3796, 0.5352



11.7856, 0.2782, 0.5215



11.7856, 0.1913, 0.4089

Triad

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



11.7856, 0.2782, 0.5215



11.7856, 0.1576, 0.1730



11.7856, 0.5172, 0.3235

Complementary

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



11.7856, 0.2782, 0.5215



3.8388, 0.4510, 0.2258

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.



11.7856, 0.4329, 0.2569



11.7856, 0.2782, 0.5215



11.7856, 0.2169, 0.1748

Square

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



11.7856, 0.2782, 0.5215



11.7856, 0.1336, 0.2045



11.7856, 0.3149, 0.2041



11.7856, 0.5263, 0.3969

Rectangle

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



11.7856, 0.2782, 0.5215



11.7856, 0.1543, 0.3201



11.7856, 0.3149, 0.2041



11.7856, 0.4964, 0.3004

Sweetspot

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



11.7861, 0.2782, 0.5215



24.5153, 0.2927, 0.3777



12.7895, 0.3539, 0.5572



5.8112, 0.2908, 0.3838



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.



11.7861, 0.2782, 0.5215



20.6807, 0.2795, 0.5261



12.5247, 0.2330, 0.3588



3.7838, 0.3067, 0.3417



13.6203, 0.2786, 0.5228



67.6861, 0.2813, 0.5327

Inverse Universe

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



3.8388, 0.4510, 0.2258



6.7183, 0.4552, 0.2281



3.4698, 0.6215, 0.3198



3.4314, 0.3192, 0.3167



4.4328, 0.4522, 0.2264



21.9072, 0.4614, 0.2316

Previews

White Background



This preview shows how the Yxy color 11.7856, 0.2782, 0.5215 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 11.7856, 0.2782, 0.5215 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 11.7856, 0.2782, 0.5215

Background



This preview shows how black text looks on a background with the Yxy color 11.7856, 0.2782, 0.5215.



This preview shows how white text looks on a background with the Yxy color 11.7856, 0.2782, 0.5215.

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

11.7856, 0.2782, 0.5215

Protanopia

11.6516, 0.4082, 0.4467

Deuteranopia

11.7538, 0.4173, 0.4115



Tritanopia

11.8535, 0.2358, 0.3062

Trichromacy



Original Color

11.7856, 0.2782, 0.5215



Protanomaly

10.9061, 0.3370, 0.4854



Deuteranomaly

10.6498, 0.3416, 0.4582



Tritanomaly

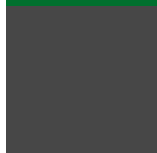
11.6933, 0.2495, 0.3816

Monochromacy



Original Color

11.7856, 0.2782, 0.5215



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

7.5613, 0.2842, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7856, 0.2782, 0.5215 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, 112, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 46)  
}
```

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, 112, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 46) }
```

Border

The CSS property to change the border of an element to Yxy 11.7856, 0.2782, 0.5215 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, 112, 46) }
```

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

```
.border{ border-color:rgb(0, 112, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 46)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7856, 0.2782, 0.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 46) }
```

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

```
.background{ background-color: rgb(0, 112,  
46) }
```

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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