

Converting Colors

$Y_{xy}(14.6032, 0.2571, 0.5412)$

Have a look what the booklet for
Yxy(14.6032, 0.2571, 0.5412)
contains.

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Color

Yxy(15.1520, 0.2799, 0.5278)

Conversions

Conversions Part 1

Format	Color
Hex	007E32
RGB	0, 126, 50
RGB Percent	0%, 49%, 20%
CMY	1.0000, 0.5059, 0.8039
CMYK	1.00, 0.00, 0.60, 0.51
HSL	144°, 100%, 25%
HSV	144°, 100%, 49%
XYZ	8.0353, 15.1520, 5.5205
YIQ	79.6620, -50.7000, -50.3480

Conversions

Conversions Part 2

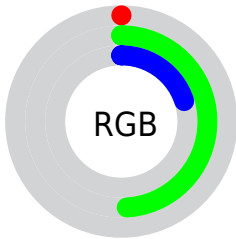
Format	Color
RYB	0, 90, 126
Decimal	32306
CIELab	45.84, -47.11, 32.60
CIELCh	46, 57.293, 145.319
Yxy	15.1520, 0.2799, 0.5278
Android (android.graphics.Color)	4278222386 (0xFF007E32)
YUV	79.6620, -14.6234, -69.8636
Hunter-Lab	38.9256, -31.2724, 18.8392

Details

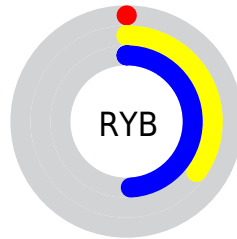
The Yxy color **15.1520, 0.2799, 0.5278** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9577, 0.4476, 0.2240**, and the grayscale version is **7.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1631, 0.2922, 0.4731**, and **5.0343, 0.2993, 0.5977** is the 20% darker color. If you saturate the color by 10%, you get **15.1537, 0.2799, 0.5278**, and if you desaturate by 10%, it is **15.3074, 0.2778, 0.5077**.

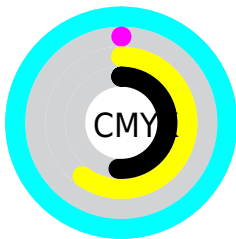
Distribution



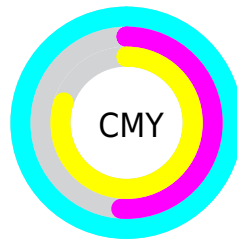
- Red (0%)
- Green (49%)
- Blue (20%)



- Red (0%)
- Yellow (35%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1520, 0.2799, 0.5278 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 15.1520, 0.2799, 0.5278 by changing the saturation by 10% instead.


 15.1520, 0.2799,
0.5278


 15.1520, 0.2799,
0.5278


224.2844, 0.3050,
0.4016


 8.9261, 0.2675,
0.5726


 35.1196, 0.2925,
0.4732

 4.6930, 0.2455,
0.6405

 49.6301, 0.2961,
0.4555


 2.0683, 0.1999,
0.8001

 67.6710, 0.2986,
0.4417

 0.6467, 0.0000,
1.0000

 89.6266, 0.3006,
0.4305

 0.0000, 0.0000,
0.0000

 115.8814, 0.3021,
0.4213

 146.8197, 0.3033,

0.4137

182.8259, 0.3042,
0.4072

■ 15.1520, 0.2799,
0.5278

■ 15.1520, 0.2799,
0.5278

■ 15.1537, 0.2799,
0.5278

■ 15.3074, 0.2778,
0.5077

■ 15.5166, 0.2767,
0.4863

■ 15.8101, 0.2773,
0.4638

■ 16.1969, 0.2795,
0.4412

■ 16.6849, 0.2831,
0.4190

■ 17.2809, 0.2879,
0.3979

■ 17.9914, 0.2935,
0.3781

■ 18.8221, 0.2997,
0.3600

■ 19.7786, 0.3061,
0.3437

Harmonies

Analogous

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



15.1520, 0.3827, 0.5377



15.1520, 0.2799, 0.5278



15.1520, 0.1911, 0.4144

Triad

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



15.1520, 0.2799, 0.5278



15.1520, 0.1542, 0.1711



15.1520, 0.5195, 0.3209

Complementary

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



15.1520, 0.2799, 0.5278



4.9577, 0.4476, 0.2240

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.



15.1520, 0.4319, 0.2538



15.1520, 0.2799, 0.5278



15.1520, 0.2130, 0.1722

Square

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



15.1520, 0.2799, 0.5278



15.1520, 0.1310, 0.2038



15.1520, 0.3114, 0.2011



15.1520, 0.5305, 0.3948

Rectangle

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



15.1520, 0.2799, 0.5278



15.1520, 0.1530, 0.3231



15.1520, 0.3114, 0.2011



15.1520, 0.4977, 0.2976

Sweetspot

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



15.1537, 0.2799, 0.5278



31.5712, 0.2931, 0.3795



16.5304, 0.3557, 0.5558



7.0793, 0.2911, 0.3861



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.1537, 0.2799, 0.5278



26.6446, 0.2811, 0.5319



16.0777, 0.2346, 0.3645



4.8448, 0.3067, 0.3423



15.5438, 0.2800, 0.5280



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9577, 0.4476, 0.2240



8.6974, 0.4513, 0.2260



4.4697, 0.6205, 0.3192



4.3844, 0.3192, 0.3161



5.0848, 0.4478, 0.2241



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.1520, 0.2799, 0.5278 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 15.1520, 0.2799, 0.5278 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 15.1520, 0.2799, 0.5278

Background



This preview shows how black text looks on a background with the Yxy color 15.1520, 0.2799, 0.5278.



This preview shows how white text looks on a background with the Yxy color 15.1520, 0.2799, 0.5278.

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

15.1520, 0.2799, 0.5278

Protanopia

14.9077, 0.4099, 0.4499

Deuteranopia

14.9824, 0.4216, 0.4139



Tritanopia

15.1935, 0.2356, 0.3062

Trichromacy



Original Color

15.1520, 0.2799, 0.5278



Protanomaly

14.0032, 0.3375, 0.4911



Deuteranomaly

13.5665, 0.3453, 0.4640



Tritanomaly

14.9019, 0.2492, 0.3816

Monochromacy



Original Color

15.1520, 0.2799, 0.5278



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.6829, 0.2852, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1520, 0.2799, 0.5278 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, 126, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 50)  
}
```

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, 126, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 50) }
```

Border

The CSS property to change the border of an element to Yxy 15.1520, 0.2799, 0.5278 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, 126, 50) }
```

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

```
.border{ border-color:rgb(0, 126, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 50);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1520, 0.2799, 0.5278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 50) }
```

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

```
.background{ background-color: rgb(0, 126,  
50) }
```

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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