

Converting Colors

$Y_{xy}(14.9790, 0.2682, 0.5249)$

Have a look what the booklet for
Yxy(14.9790, 0.2682, 0.5249)
contains.

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Color

Yxy(15.1788, 0.2780, 0.5207)

Conversions

Conversions Part 1

Format	Color
Hex	007E35
RGB	0, 126, 53
RGB Percent	0%, 49%, 21%
CMY	0.9996, 0.5059, 0.7922
CMYK	1.00, 0.00, 0.58, 0.51
HSL	145°, 100%, 25%
HSV	145°, 100%, 49%
XYZ	8.1039, 15.1788, 5.8680
YIQ	80.0040, -51.6630, -49.4150

Conversions

Conversions Part 2

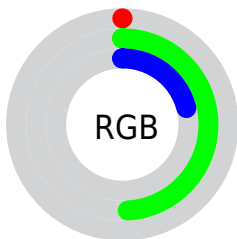
Format	Color
RYB	0, 89, 126
Decimal	32309
CIELab	45.88, -46.65, 31.14
CIELCh	46, 56.088, 146.274
Yxy	15.1788, 0.2780, 0.5207
Android (android.graphics.Color)	4278222389 (0xFF007E35)
YUV	80.0040, -13.3130, -70.1635
Hunter-Lab	38.9600, -31.0509, 18.3419

Details

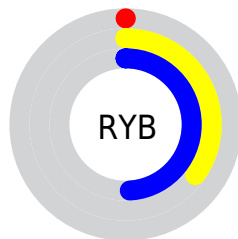
The Yxy color **15.1788, 0.2780, 0.5207** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9203, 0.4566, 0.2290**, and the grayscale version is **8.0623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2215, 0.2903, 0.4678**, and **5.0431, 0.2968, 0.5885** is the 20% darker color. If you saturate the color by 10%, you get **15.1783, 0.2780, 0.5208**, and if you desaturate by 10%, it is **15.3345, 0.2759, 0.5010**.

Distribution



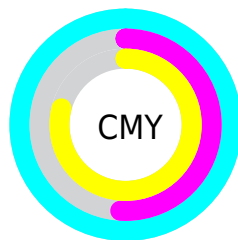
- Red (0%)
- Green (49%)
- Blue (21%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (51%)




- Cyan (100%)
- Magenta (51%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1788, 0.2780, 0.5207 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 15.1788, 0.2780, 0.5207 by changing the saturation by 10% instead.


 15.1788, 0.2780,
0.5207


 15.1788, 0.2780,
0.5207


224.4459, 0.3038,
0.3990

 8.9450, 0.2658,
0.5641


 35.1665, 0.2907,
0.4680


 4.7053, 0.2441,
0.6298

 49.6892, 0.2943,
0.4510


 2.0754, 0.2040,
0.7960

 67.7437, 0.2970,
0.4377

 0.6507, 0.0000,
1.0000

 89.7143, 0.2990,
0.4269

 0.0000, 0.0000,
0.0000

 115.9854, 0.3006,
0.4181

 146.9414, 0.3019,

0.4107

182.9668, 0.3029,
0.4044

■ 15.1788, 0.2780,
0.5207

■ 15.1788, 0.2780,
0.5207

■ 15.1783, 0.2780,
0.5208

■ 15.3345, 0.2759,
0.5010

■ 15.5448, 0.2749,
0.4801

■ 15.8387, 0.2756,
0.4583

■ 16.2251, 0.2780,
0.4365

■ 16.7119, 0.2818,
0.4152

■ 17.3058, 0.2868,
0.3950

■ 18.0133, 0.2927,
0.3760

■ 18.8401, 0.2991,
0.3587

■ 19.7915, 0.3059,
0.3430

Harmonies

Analogous

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



15.1788, 0.3792, 0.5348



15.1788, 0.2780, 0.5207



15.1788, 0.1914, 0.4082

Triad

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



15.1788, 0.2780, 0.5207



15.1788, 0.1580, 0.1733



15.1788, 0.5169, 0.3239

Complementary

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



15.1788, 0.2780, 0.5207



4.9203, 0.4566, 0.2290

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.



15.1788, 0.4330, 0.2572



15.1788, 0.2780, 0.5207



15.1788, 0.2174, 0.1751

Square

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



15.1788, 0.2780, 0.5207



15.1788, 0.1340, 0.2046



15.1788, 0.3153, 0.2045



15.1788, 0.5258, 0.3972

Rectangle

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



15.1788, 0.2780, 0.5207



15.1788, 0.1545, 0.3197



15.1788, 0.3153, 0.2045



15.1788, 0.4963, 0.3007

Sweetspot

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



15.1794, 0.2780, 0.5207



31.6028, 0.2922, 0.3775



16.3598, 0.3507, 0.5597



7.0871, 0.2901, 0.3838



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.



15.1794, 0.2780, 0.5207



26.6896, 0.2792, 0.5249



16.1721, 0.2317, 0.3539



4.8464, 0.3064, 0.3418



15.5704, 0.2781, 0.5211



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9203, 0.4566, 0.2290



8.6276, 0.4607, 0.2311



4.4610, 0.6263, 0.3225



4.3828, 0.3196, 0.3166



5.0442, 0.4570, 0.2291



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.1788, 0.2780, 0.5207 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 15.1788, 0.2780, 0.5207 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 15.1788, 0.2780, 0.5207

Background



This preview shows how black text looks on a background with the Yxy color 15.1788, 0.2780, 0.5207.



This preview shows how white text looks on a background with the Yxy color 15.1788, 0.2780, 0.5207.

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

15.1788, 0.2780, 0.5207

Protanopia

14.9316, 0.4068, 0.4453

Deuteranopia

14.9218, 0.4175, 0.4111



Tritanopia

15.1935, 0.2356, 0.3062

Trichromacy



Original Color

15.1788, 0.2780, 0.5207



Protanomaly

14.0283, 0.3348, 0.4849



Deuteranomaly

13.5491, 0.3407, 0.4580



Tritanomaly

14.9214, 0.2484, 0.3789

Monochromacy



Original Color

15.1788, 0.2780, 0.5207



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.6954, 0.2840, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1788, 0.2780, 0.5207 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 53) }
```

Border

The CSS property to change the border of an element to Yxy 15.1788, 0.2780, 0.5207 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, 53) }
```

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

```
.border{ border-color:rgb(0, 126, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1788, 0.2780, 0.5207 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, 53) }
```

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

```
.background{ background-color: rgb(0, 126,  
53) }
```

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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