

Converting Colors

$Y_{xy}(13.3914, 0.2132, 0.6195)$

Have a look what the booklet for
Yxy(13.3914, 0.2132, 0.6195)
contains.

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Color

$Y_{xy}(15.0206, 0.2907, 0.5664)$

Conversions

Conversions Part 1

Format	Color
Hex	007E1F
RGB	0, 126, 31
RGB Percent	0%, 49%, 12%
CMY	0.9996, 0.5059, 0.8784
CMYK	1.00, 0.00, 0.75, 0.51
HSL	135°, 100%, 25%
HSV	135°, 100%, 49%
XYZ	7.7092, 15.0206, 3.7896
YIQ	77.4960, -44.6010, -56.2570

Conversions

Conversions Part 2

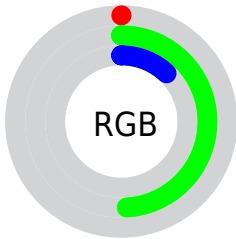
Format	Color
RYB	0, 101, 126
Decimal	32287
CIELab	45.66, -49.35, 41.02
CIELCh	46, 64.170, 140.271
Yxy	15.0206, 0.2907, 0.5664
Android (android.graphics.Color)	4278222367 (0xFF007E1F)
YUV	77.4960, -22.9225, -67.9640
Hunter-Lab	38.7564, -32.3176, 21.3321

Details

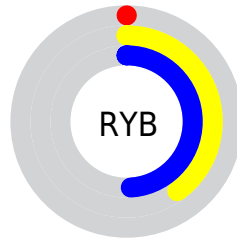
The Yxy color **15.0206, 0.2907, 0.5664** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.2659, 0.3918, 0.1933**, and the grayscale version is **7.5754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9572, 0.3034, 0.5014**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0201, 0.2907, 0.5665**, and if you desaturate by 10%, it is **15.1616, 0.2890, 0.5467**.

Distribution



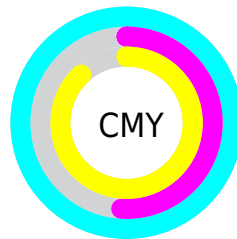
- Red (0%)
- Green (49%)
- Blue (12%)



- Red (0%)
- Yellow (40%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (51%)




- Cyan (100%)
- Magenta (51%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0206, 0.2907, 0.5664 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 15.0206, 0.2907, 0.5664 by changing the saturation by 10% instead.


 15.0206, 0.2907,
0.5664


 15.0206, 0.2907,
0.5664


223.4909, 0.3125,
0.4160


 8.8338, 0.2768,
0.6176


 34.8893, 0.3033,
0.5021


 4.6330, 0.2569,
0.7086

 49.3401, 0.3064,
0.4810


 2.0336, 0.1790,
0.8210

 67.3143, 0.3084,
0.4644

 0.6269, 0.0000,
1.0000


 89.1963, 0.3098,
0.4509


 0.0000, 0.0000,
0.0000


 115.3706, 0.3108,
0.4399


 146.2215, 0.3115,


0.4306


 182.1335, 0.3121,
0.4228


 15.0206, 0.2907,
0.5664


 15.0206, 0.2907,
0.5664


 15.0201, 0.2907,
0.5665

 15.1616, 0.2890,
0.5467

 15.3626, 0.2878,
0.5235

 15.6531, 0.2879,
0.4974

 16.0427, 0.2894,
0.4700

 16.5397, 0.2919,
0.4425

■ 17.1515, 0.2953,
0.4158

■ 17.8848, 0.2994,
0.3908

■ 18.7458, 0.3037,
0.3679

■ 19.7403, 0.3082,
0.3473

Harmonies

Analogous

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



15.0206, 0.4018, 0.5494



15.0206, 0.2907, 0.5664



15.0206, 0.1904, 0.4527

Triad

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



15.0206, 0.2907, 0.5664



15.0206, 0.1341, 0.1598



15.0206, 0.5326, 0.3037

Complementary

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



15.0206, 0.2907, 0.5664



5.2659, 0.3918, 0.1933

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.



15.0206, 0.4233, 0.2347



15.0206, 0.2907, 0.5664



15.0206, 0.1892, 0.1564

Square

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



15.0206, 0.2907, 0.5664



15.0206, 0.1151, 0.2003



15.0206, 0.2890, 0.1824



15.0206, 0.5560, 0.3803

Rectangle

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



15.0206, 0.2907, 0.5664



15.0206, 0.1452, 0.3447



15.0206, 0.2890, 0.1824



15.0206, 0.5039, 0.2797

Sweetspot

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



15.0212, 0.2907, 0.5664



31.3720, 0.2990, 0.3927



17.4426, 0.3799, 0.5365



7.0308, 0.2976, 0.4012



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.



15.0212, 0.2907, 0.5664



26.4191, 0.2917, 0.5702



15.7025, 0.2485, 0.4146



4.8347, 0.3086, 0.3457



15.4087, 0.2908, 0.5667



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2659, 0.3918, 0.1933



9.2413, 0.3939, 0.1943



4.5515, 0.5795, 0.2967



4.3949, 0.3171, 0.3129



5.3988, 0.3920, 0.1933



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.0206, 0.2907, 0.5664 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 15.0206, 0.2907, 0.5664 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 15.0206, 0.2907, 0.5664

Background



This preview shows how black text looks on a background with the Yxy color 15.0206, 0.2907, 0.5664.



This preview shows how white text looks on a background with the Yxy color 15.0206, 0.2907, 0.5664.

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

15.0206, 0.2907, 0.5664

Protanopia

14.8647, 0.4273, 0.4728

Deuteranopia

14.7312, 0.4424, 0.4350



Tritanopia

14.9849, 0.2371, 0.3061

Trichromacy



Original Color

15.0206, 0.2907, 0.5664



Protanomaly

13.9231, 0.3532, 0.5231



Deuteranomaly

13.4337, 0.3613, 0.4970



Tritanomaly

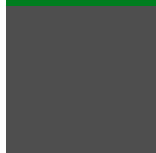
14.5290, 0.2559, 0.4009

Monochromacy



Original Color

15.0206, 0.2907, 0.5664



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.1994, 0.2933, 0.4317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0206, 0.2907, 0.5664 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.0206, 0.2907, 0.5664 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, 31) }
```

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

```
.border{ border-color:rgb(0, 126, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0206, 0.2907, 0.5664 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, 31) }
```

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

```
.background{ background-color: rgb(0, 126,  
31) }
```

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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