

Converting Colors

$Y_{xy}(14.2876, 0.2891, 0.5607)$

Have a look what the booklet for
Yxy(14.2876, 0.2891, 0.5607)
contains.

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Color

Yxy(14.2757, 0.2892, 0.5612)

Conversions

Conversions Part 1

Format	Color
Hex	007B21
RGB	0, 123, 33
RGB Percent	0%, 48%, 13%
CMY	1.0000, 0.5176, 0.8706
CMYK	1.00, 0.00, 0.73, 0.52
HSL	136°, 100%, 24%
HSV	136°, 100%, 48%
XYZ	7.3566, 14.2757, 3.8055
YIQ	75.9630, -44.4180, -54.0660

Conversions

Conversions Part 2

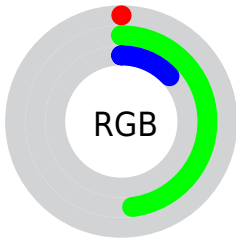
Format	Color
RYB	0, 97, 123
Decimal	31521
CIELab	44.63, -48.23, 39.14
CIELCh	45, 62.115, 140.945
Yxy	14.2757, 0.2892, 0.5612
Android (android.graphics.Color)	4278221601 (0xFF007B21)
YUV	75.9630, -21.1808, -66.6196
Hunter-Lab	37.7832, -31.3656, 20.4766

Details

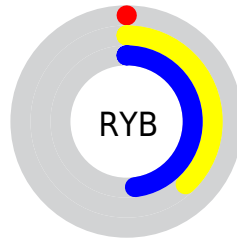
The Yxy color **14.2757, 0.2892, 0.5612** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.9497, 0.3995, 0.1974**, and the grayscale version is **7.2660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6885, 0.3016, 0.4974**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.2768, 0.2892, 0.5612**, and if you desaturate by 10%, it is **14.4145, 0.2874, 0.5411**.

Distribution



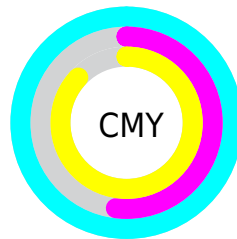
- Red (0%)
- Green (48%)
- Blue (13%)



- Red (0%)
- Yellow (38%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2757, 0.2892, 0.5612 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 14.2757, 0.2892, 0.5612 by changing the saturation by 10% instead.

 14.2757, 0.2892,
0.5612


 14.2757, 0.2892,
0.5612


218.9393, 0.3114,
0.4131


 8.3127, 0.2753,
0.6127


 33.5774, 0.3019,
0.4973


 4.2957, 0.2554,
0.7064

 47.6849, 0.3050,
0.4765


 1.8403, 0.1642,
0.8358

 65.2760, 0.3071,
0.4602

 0.5121, 0.0000,
1.0000


 86.7351, 0.3086,
0.4470


 0.0000, 0.0000,
0.0000


 112.4465, 0.3096,
0.4362


 142.7948, 0.3104,


0.4272

 178.1643, 0.3110,
0.4196

 14.2757, 0.2892,
0.5612


 14.2757, 0.2892,
0.5612


 14.2768, 0.2892,
0.5612

 14.4145, 0.2874,
0.5411

 14.6076, 0.2862,
0.5179

 14.8847, 0.2864,
0.4923

 15.2546, 0.2879,
0.4656

 15.7251, 0.2906,
0.4389

■ 16.3031, 0.2942,
0.4131

■ 16.9949, 0.2985,
0.3889

■ 17.8061, 0.3031,
0.3668

■ 18.7423, 0.3079,
0.3468

Harmonies

Analogous

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



14.2757, 0.3992, 0.5482



14.2757, 0.2892, 0.5612



14.2757, 0.1904, 0.4470

Triad

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



14.2757, 0.2892, 0.5612



14.2757, 0.1368, 0.1613



14.2757, 0.5310, 0.3062

Complementary

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



14.2757, 0.2892, 0.5612



4.9497, 0.3995, 0.1974

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.



14.2757, 0.4247, 0.2374



14.2757, 0.2892, 0.5612



14.2757, 0.1924, 0.1585

Square

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



14.2757, 0.2892, 0.5612



14.2757, 0.1172, 0.2007



14.2757, 0.2922, 0.1850



14.2757, 0.5525, 0.3824

Rectangle

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



14.2757, 0.2892, 0.5612



14.2757, 0.1462, 0.3414



14.2757, 0.2922, 0.1850



14.2757, 0.5032, 0.2822

Sweetspot

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



14.2768, 0.2892, 0.5612



30.3327, 0.2981, 0.3906



16.3509, 0.3745, 0.5409



7.0378, 0.2966, 0.3989



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.



14.2768, 0.2892, 0.5612



25.5426, 0.2903, 0.5651



14.9806, 0.2453, 0.4030



4.4660, 0.3083, 0.3450



14.7673, 0.2893, 0.5614



70.3175, 0.2916, 0.5698

Inverse Universe

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



4.9497, 0.3995, 0.1974



8.8385, 0.4018, 0.1987



4.2985, 0.5900, 0.3024



4.0600, 0.3174, 0.3135



5.1192, 0.3997, 0.1975



24.2716, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 14.2757, 0.2892, 0.5612 looks on a white background.

Color Contrast Check

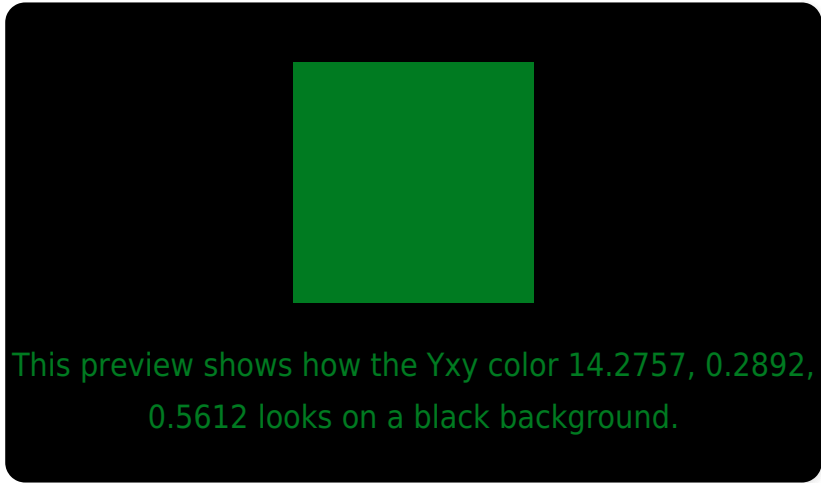
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 14.2757, 0.2892, 0.5612

Background



This preview shows how black text looks on a background with the Yxy color 14.2757, 0.2892, 0.5612.



This preview shows how white text looks on a background with the Yxy color 14.2757, 0.2892, 0.5612.

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

14.2757, 0.2892, 0.5612

Protanopia

14.2435, 0.4243, 0.4709

Deuteranopia

14.1068, 0.4397, 0.4327



Tritanopia

14.4205, 0.2378, 0.3080

Trichromacy



Original Color

14.2757, 0.2892, 0.5612



Protanomaly

13.1779, 0.3515, 0.5186



Deuteranomaly

12.7106, 0.3591, 0.4910



Tritanomaly

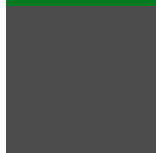
14.0193, 0.2552, 0.3993

Monochromacy



Original Color

14.2757, 0.2892, 0.5612



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

8.7833, 0.2918, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2757, 0.2892, 0.5612 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, 123, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 33)  
}
```

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, 123, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 33) }
```

Border

The CSS property to change the border of an element to Yxy 14.2757, 0.2892, 0.5612 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, 123, 33) }
```

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

```
.border{ border-color:rgb(0, 123, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 123, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.2757, 0.2892, 0.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 33) }
```

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

```
.background{ background-color: rgb(0, 123,  
33) }
```

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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