

Converting Colors

$Y_{xy}(14.7086, 0.2961, 0.5858)$

Have a look what the booklet for
Yxy(14.7086, 0.2961, 0.5858)
contains.

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Color

Yxy(14.7077, 0.2960, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	007D11
RGB	0, 125, 17
RGB Percent	0%, 49%, 7%
CMY	0.9997, 0.5098, 0.9334
CMYK	1.00, 0.00, 0.86, 0.51
HSL	128°, 100%, 25%
HSV	128°, 100%, 49%
XYZ	7.4355, 14.7077, 2.9767
YIQ	75.3130, -39.8320, -60.0880

Conversions

Conversions Part 2

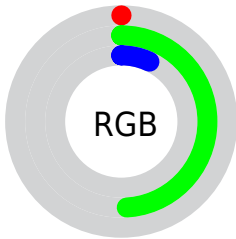
Format	Color
RYB	0, 110, 125
Decimal	32017
CIELab	45.23, -50.09, 45.32
CIELCh	45, 67.547, 137.859
Yxy	14.7077, 0.2960, 0.5855
Android (android.graphics.Color)	4278222097 (0xFF007D11)
YUV	75.3130, -28.7483, -66.0495
Hunter-Lab	38.3506, -32.5057, 22.2434

Details

The Yxy color **14.7077, 0.2960, 0.5855** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.4466, 0.3570, 0.1741**, and the grayscale version is **7.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4006, 0.3093, 0.5174**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.7075, 0.2960, 0.5856**, and if you desaturate by 10%, it is **14.8326, 0.2953, 0.5688**.

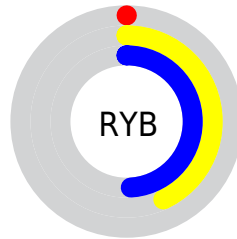
Distribution



Red (0%)

Green (49%)

Blue (7%)



Red (0%)

Yellow (43%)

Blue (49%)

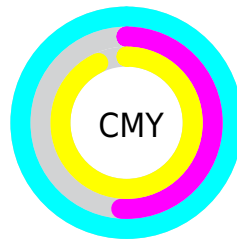


Cyan (100%)

Magenta (0%)

Yellow (86%)

Black (51%)



Cyan (100%)


Magenta (51%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7077, 0.2960, 0.5855 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 14.7077, 0.2960, 0.5855 by changing the saturation by 10% instead.


 14.7077, 0.2960,
0.5855


 14.7077, 0.2960,
0.5855


221.5901, 0.3166,
0.4234


 8.6145, 0.2807,
0.6390


 34.3396, 0.3091,
0.5168


 4.4906, 0.2604,
0.7396

 48.6470, 0.3120,
0.4940


 1.9516, 0.1630,
0.8370

 66.4614, 0.3138,
0.4759

 0.5791, 0.0000,
1.0000

 88.1670, 0.3149,
0.4613

 0.0000, 0.0000,
0.0000

 114.1483, 0.3157,
0.4493


 144.7897, 0.3161,


0.4393


 180.4755, 0.3164,
0.4307


 14.7077, 0.2960,
0.5855

 14.7077, 0.2960,
0.5855


 14.7075, 0.2960,
0.5856

 14.8326, 0.2953,
0.5688

 15.0190, 0.2947,
0.5467

 15.2968, 0.2950,
0.5199

 15.6762, 0.2962,
0.4901

 16.1658, 0.2982,
0.4593

■ 16.7734, 0.3007,
0.4290

■ 17.5060, 0.3036,
0.4002

■ 18.3700, 0.3066,
0.3738

■ 19.3716, 0.3097,
0.3500

Harmonies

Analogous

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



14.7077, 0.4112, 0.5528



14.7077, 0.2960, 0.5855



14.7077, 0.1902, 0.4747

Triad

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



14.7077, 0.2960, 0.5855



14.7077, 0.1242, 0.1543



14.7077, 0.5387, 0.2947

Complementary

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



14.7077, 0.2960, 0.5855



5.4466, 0.3570, 0.1741

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.



14.7077, 0.4176, 0.2248



14.7077, 0.2960, 0.5855



14.7077, 0.1772, 0.1486

Square

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



14.7077, 0.2960, 0.5855



14.7077, 0.1074, 0.1988



14.7077, 0.2769, 0.1730



14.7077, 0.5690, 0.3722

Rectangle

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



14.7077, 0.2960, 0.5855



14.7077, 0.1414, 0.3577



14.7077, 0.2769, 0.1730



14.7077, 0.5061, 0.2703

Sweetspot

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



14.7083, 0.2960, 0.5855



31.2362, 0.3034, 0.4024



17.8773, 0.3968, 0.5231



6.9979, 0.3024, 0.4122



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.



14.7083, 0.2960, 0.5855



26.3237, 0.2967, 0.5883



15.2353, 0.2582, 0.4494



4.8275, 0.3100, 0.3482



15.3495, 0.2961, 0.5858



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4466, 0.3570, 0.1741



9.7341, 0.3580, 0.1746



4.5582, 0.5428, 0.2764



4.4027, 0.3156, 0.3106



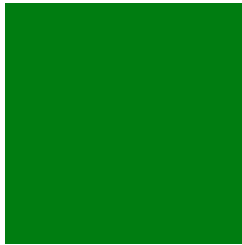
5.6816, 0.3571, 0.1741



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.7077, 0.2960, 0.5855 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 14.7077, 0.2960, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 14.7077, 0.2960, 0.5855.



This preview shows how white text looks on a background with the Yxy color 14.7077, 0.2960, 0.5855.

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

14.7077, 0.2960, 0.5855

Protanopia

14.5326, 0.4350, 0.4839

Deuteranopia

14.4746, 0.4530, 0.4451



Tritanopia

14.7272, 0.2374, 0.3060

Trichromacy



Original Color

14.7077, 0.2960, 0.5855



Protanomaly

13.6002, 0.3600, 0.5397



Deuteranomaly

13.1577, 0.3702, 0.5123



Tritanomaly

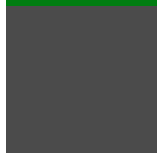
14.1889, 0.2606, 0.4153

Monochromacy



Original Color

14.7077, 0.2960, 0.5855



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

8.7234, 0.2991, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7077, 0.2960, 0.5855 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, 125, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 17)  
}
```

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, 125, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 17) }
```

Border

The CSS property to change the border of an element to Yxy 14.7077, 0.2960, 0.5855 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, 125, 17) }
```

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

```
.border{ border-color:rgb(0, 125, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 17);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7077, 0.2960, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 17) }
```

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

```
.background{ background-color: rgb(0, 125,  
17) }
```

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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