

Converting Colors

$Y_{xy}(14.6591, 0.3002, 0.5998)$

Have a look what the booklet for
Yxy(14.6591, 0.3002, 0.5998)
contains.

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Color

Yxy(14.6737, 0.3003, 0.5998)

Conversions

Conversions Part 1

Format	Color
Hex	017D00
RGB	1, 125, 0
RGB Percent	0%, 49%, 0%
CMY	0.9958, 0.5098, 1.0000
CMYK	0.99, 0.00, 1.00, 0.51
HSL	119°, 100%, 25%
HSV	119°, 100%, 49%
XYZ	7.3466, 14.6737, 2.4440
YIQ	73.6740, -33.7790, -65.1630

Conversions

Conversions Part 2

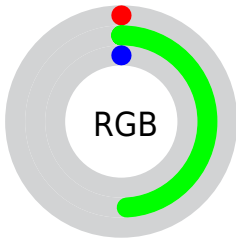
Format	Color
RYB	0, 125, 124
Decimal	97536
CIELab	45.18, -50.74, 49.07
CIELCh	45, 70.586, 135.955
Yxy	14.6737, 0.3003, 0.5998
Android (android.graphics.Color)	4278287616 (0xFF017D00)
YUV	73.6740, -36.3213, -63.7351
Hunter-Lab	38.3063, -32.8020, 23.0316

Details

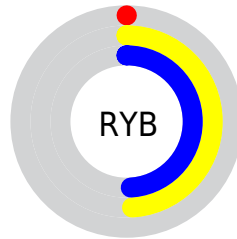
The Yxy color **14.6737, 0.3003, 0.5998** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.7605, 0.3189, 0.1530**, and the grayscale version is **6.8613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3484, 0.3139, 0.5283**, and **4.8976, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.6744, 0.3003, 0.5998**, and if you desaturate by 10%, it is **14.7844, 0.3009, 0.5872**.

Distribution



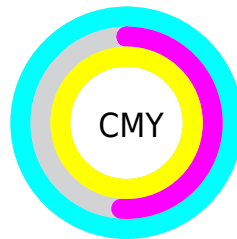
- Red (0%)
- Green (49%)
- Blue (0%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (51%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6737, 0.3003, 0.5998 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 14.6737, 0.3003, 0.5998 by changing the saturation by 10% instead.


 14.6737, 0.3003,
0.5998


 14.6737, 0.3003,
0.5998


221.3826, 0.3202,
0.4296


 8.5907, 0.2840,
0.6543


 34.2797, 0.3140,
0.5285


 4.4752, 0.2572,
0.7428

 48.5715, 0.3167,
0.5045


 1.9428, 0.1560,
0.8440

 66.3684, 0.3184,
0.4854

 0.5739, 0.0000,
1.0000

 88.0548, 0.3193,
0.4700


 0.0000, 0.0000,
0.0000

 114.0150, 0.3198,
0.4572

 144.6334, 0.3201,


0.4465


 180.2945, 0.3202,
0.4374


 14.6737, 0.3003,
0.5998


 14.6737, 0.3003,
0.5998


 14.6744, 0.3003,
0.5998

 14.7844, 0.3009,
0.5872

 14.9554, 0.3019,
0.5692

 15.2210, 0.3031,
0.5438

 15.5923, 0.3046,
0.5131

 16.0787, 0.3062,
0.4794

■ 16.6887, 0.3077,
0.4451

■ 17.4298, 0.3092,
0.4119

■ 18.3092, 0.3105,
0.3812

■ 19.3333, 0.3117,
0.3535

Harmonies

Analogous

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



14.6737, 0.4190, 0.5545



14.6737, 0.3003, 0.5998



14.6737, 0.1904, 0.4937

Triad

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



14.6737, 0.3003, 0.5998



14.6737, 0.1167, 0.1501



14.6737, 0.5427, 0.2873

Complementary

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



14.6737, 0.3003, 0.5998



5.7605, 0.3189, 0.1530

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.



14.6737, 0.4121, 0.2169



14.6737, 0.3003, 0.5998



14.6737, 0.1678, 0.1427

Square

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



14.6737, 0.3003, 0.5998



14.6737, 0.1015, 0.1981



14.6737, 0.2669, 0.1657



14.6737, 0.5792, 0.3652

Rectangle

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



14.6737, 0.3003, 0.5998



14.6737, 0.1387, 0.3694



14.6737, 0.2669, 0.1657



14.6737, 0.5068, 0.2627

Sweetspot

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



14.6744, 0.3003, 0.5998



31.1077, 0.3091, 0.4143



18.5055, 0.4221, 0.5030



6.9671, 0.3086, 0.4255



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.



14.6744, 0.3003, 0.5998



26.2745, 0.3002, 0.5998



14.9981, 0.2724, 0.5007



4.8204, 0.3118, 0.3512



15.3153, 0.3003, 0.5998



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.7605, 0.3189, 0.1530



10.3121, 0.3188, 0.1530



4.7369, 0.4822, 0.2430



4.4106, 0.3136, 0.3077



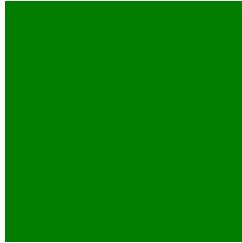
6.0120, 0.3189, 0.1530



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.6737, 0.3003, 0.5998 looks on a white background.

Color Contrast Check

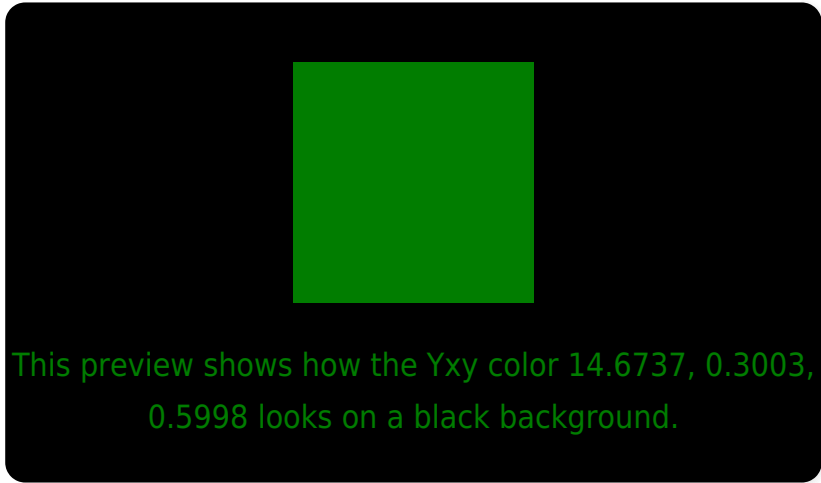
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6737, 0.3003, 0.5998

Background



This preview shows how black text looks on a background with the Yxy color 14.6737, 0.3003, 0.5998.



This preview shows how white text looks on a background with the Yxy color 14.6737, 0.3003, 0.5998.

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

14.6737, 0.3003, 0.5998

Protanopia

14.5085, 0.4389, 0.4897

Deuteranopia

14.4548, 0.4561, 0.4490



Tritanopia

14.7272, 0.2374, 0.3060

Trichromacy



Original Color

14.6737, 0.3003, 0.5998

Protanomaly

13.6124, 0.3655, 0.5480

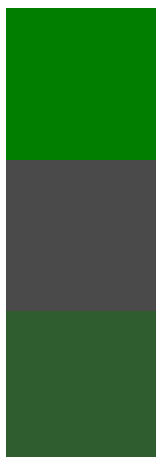
Deuteranomaly

13.1708, 0.3767, 0.5215

Tritanomaly

14.0962, 0.2658, 0.4321

Monochromacy



Original Color

14.6737, 0.3003, 0.5998

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.6383, 0.3060, 0.4720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6737, 0.3003, 0.5998 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(1, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(1, 125, 0)  
}
```

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(1, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.6737, 0.3003, 0.5998 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(1, 125, 0) }
```

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

```
.border{ border-color:rgb(1, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 125, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 125, 0); box-shadow:4px  
4px 4px 4px rgb(1, 125, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6737, 0.3003, 0.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 125, 0) }
```

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

```
.background{ background-color: rgb(1, 125,  
0) }
```

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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