

Converting Colors

$Y_{xy}(13.1317, 0.2995, 0.5983)$

Have a look what the booklet for
Yxy(13.1317, 0.2995, 0.5983)
contains.

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Color

Yxy(13.1980, 0.2995, 0.5982)

Conversions

Conversions Part 1

Format	Color
Hex	007702
RGB	0, 119, 2
RGB Percent	0%, 47%, 1%
CMY	1.0000, 0.5333, 0.9921
CMYK	1.00, 0.00, 0.98, 0.53
HSL	121°, 100%, 23%
HSV	121°, 100%, 47%
XYZ	6.6078, 13.1980, 2.2570
YIQ	70.0810, -33.3670, -61.6150

Conversions

Conversions Part 2

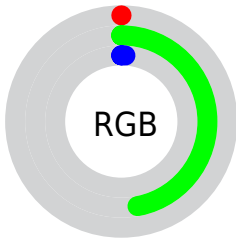
Format	Color
RYB	0, 117, 119
Decimal	30466
CIELab	43.06, -48.98, 46.89
CIELCh	43, 67.802, 136.248
Yxy	13.1980, 0.2995, 0.5982
Android (android.graphics.Color)	4278220546 (0xFF007702)
YUV	70.0810, -33.5639, -61.4610
Hunter-Lab	36.3291, -31.1088, 21.7468

Details

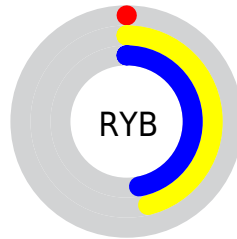
The Yxy color **13.1980, 0.2995, 0.5982** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.2060, 0.3250, 0.1564**, and the grayscale version is **6.2007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4725, 0.3134, 0.5256**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.1985, 0.2995, 0.5982**, and if you desaturate by 10%, it is **13.3025, 0.3001, 0.5850**.

Distribution



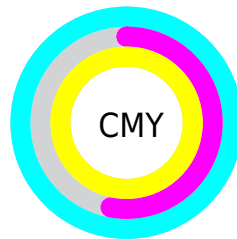
- Red (0%)
- Green (47%)
- Blue (1%)



- Red (0%)
- Yellow (46%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1980, 0.2995, 0.5982 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 13.1980, 0.2995, 0.5982 by changing the saturation by 10% instead.


 13.1980, 0.2995,
0.5982


 13.1980, 0.2995,
0.5982


212.1828, 0.3196,
0.4266


 7.5650, 0.2828,
0.6559


 31.6590, 0.3134,
0.5252


 3.8179, 0.2531,
0.7469

 45.2559, 0.3162,
0.5010


 1.5722, 0.1020,
0.8980

 62.2762, 0.3178,
0.4819

 0.3388, 0.0000,
1.0000

 83.1043, 0.3187,
0.4665


 0.0000, 0.0000,
0.0000


 108.1246, 0.3192,
0.4538


 137.7215, 0.3195,


0.4432

 172.2794, 0.3196,
0.4343


 13.1980, 0.2995,
0.5982


 13.1980, 0.2995,
0.5982


 13.1985, 0.2995,
0.5982

 13.3025, 0.3001,
0.5850

 13.4579, 0.3007,
0.5661

 13.6981, 0.3018,
0.5404

 14.0330, 0.3032,
0.5097

 14.4710, 0.3048,
0.4763

■ 15.0196, 0.3065,
0.4425

■ 15.6855, 0.3082,
0.4101

■ 16.4751, 0.3098,
0.3801

■ 17.3942, 0.3113,
0.3530

Harmonies

Analogous

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



13.1980, 0.4181, 0.5550



13.1980, 0.2995, 0.5982



13.1980, 0.1901, 0.4910

Triad

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



13.1980, 0.2995, 0.5982



13.1980, 0.1176, 0.1505



13.1980, 0.5426, 0.2883

Complementary

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



13.1980, 0.2995, 0.5982



5.2060, 0.3250, 0.1564

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.



13.1980, 0.4132, 0.2180



13.1980, 0.2995, 0.5982



13.1980, 0.1690, 0.1434

Square

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



13.1980, 0.2995, 0.5982



13.1980, 0.1021, 0.1979



13.1980, 0.2684, 0.1666



13.1980, 0.5780, 0.3662

Rectangle

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



13.1980, 0.2995, 0.5982



13.1980, 0.1388, 0.3675



13.1980, 0.2684, 0.1666



13.1980, 0.5071, 0.2637

Sweetspot

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



13.1985, 0.2995, 0.5982



27.9889, 0.3081, 0.4125



16.9773, 0.4165, 0.5075



6.5321, 0.3075, 0.4234



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1985, 0.2995, 0.5982



23.6320, 0.2996, 0.5987



13.5363, 0.2691, 0.4888



4.0991, 0.3115, 0.3505



14.0221, 0.2995, 0.5983



68.3184, 0.2998, 0.5993

Inverse Universe

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



5.2060, 0.3250, 0.1564



9.3200, 0.3251, 0.1565



4.2227, 0.4948, 0.2499



3.7569, 0.3139, 0.3084



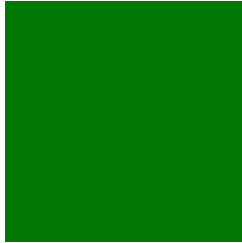
5.5307, 0.3250, 0.1564



26.9382, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 13.1980, 0.2995, 0.5982 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

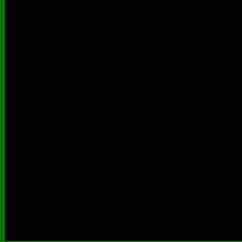
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1980, 0.2995, 0.5982

Background



This preview shows how black text looks on a background with the Yxy color 13.1980, 0.2995, 0.5982.



This preview shows how white text looks on a background with the Yxy color 13.1980, 0.2995, 0.5982.

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

13.1980, 0.2995, 0.5982

Protanopia

13.1476, 0.4397, 0.4891

Deuteranopia

13.0295, 0.4562, 0.4478



Tritanopia

13.4031, 0.2383, 0.3074

Trichromacy



Original Color

13.1980, 0.2995, 0.5982

Protanomaly

12.1438, 0.3655, 0.5469

Deuteranomaly

11.6904, 0.3757, 0.5201

Tritanomaly

12.8775, 0.2658, 0.4304

Monochromacy



Original Color

13.1980, 0.2995, 0.5982

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.7268, 0.3062, 0.4688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1980, 0.2995, 0.5982 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, 119, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 2)  
}
```

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, 119, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 2) }
```

Border

The CSS property to change the border of an element to Yxy 13.1980, 0.2995, 0.5982 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, 119, 2) }
```

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

```
.border{ border-color:rgb(0, 119, 2) }
```

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

Here you see how a box with a 4 pixel rgb(0, 119, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 119, 2); box-shadow:4px  
4px 4px 4px rgb(0, 119, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1980, 0.2995, 0.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 2) }
```

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

```
.background{ background-color: rgb(0, 119,  
2) }
```

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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