

Converting Colors

$Y_{xy}(13.4898, 0.3042, 0.5966)$

Have a look what the booklet for
Yxy(13.4898, 0.3042, 0.5966)
contains.

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Color

Yxy(13.5263, 0.3042, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	0E7800
RGB	14, 120, 0
RGB Percent	5%, 47%, 0%
CMY	0.9454, 0.5294, 0.9997
CMYK	0.88, 0.00, 1.00, 0.53
HSL	113°, 100%, 24%
HSV	113°, 100%, 47%
XYZ	6.8969, 13.5263, 2.2491
YIQ	74.6260, -24.6560, -59.7920

Conversions

Conversions Part 2

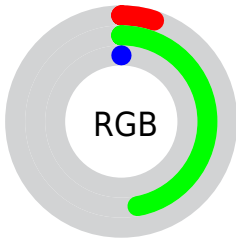
Format	Color
RYB	0, 120, 106
Decimal	948224
CIELab	43.55, -48.11, 47.79
CIELCh	44, 67.814, 135.194
Yxy	13.5263, 0.3042, 0.5966
Android (android.graphics.Color)	4279138304 (0xFF0E7800)
YUV	74.6260, -36.7906, -53.1690
Hunter-Lab	36.7781, -30.8880, 22.1189

Details

The Yxy color **13.5263, 0.3042, 0.5966** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.4313, 0.2930, 0.1388**, and the grayscale version is **7.0333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0739, 0.3168, 0.5242**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5262, 0.3042, 0.5967**, and if you desaturate by 10%, it is **13.6615, 0.3060, 0.5827**.

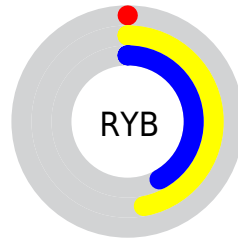
Distribution



Red (5%)

Green (47%)

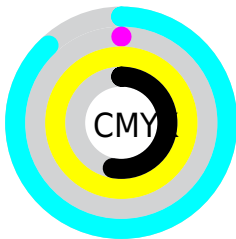
Blue (0%)



Red (0%)

Yellow (47%)

Blue (42%)

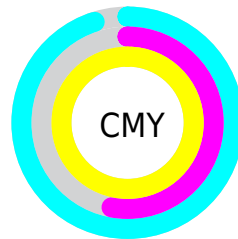


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (95%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5263, 0.3042, 0.5966 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 13.5263, 0.3042, 0.5966 by changing the saturation by 10% instead.


 13.5263, 0.3042,
0.5966

 13.5263, 0.3042,
0.5966


214.2637, 0.3216,
0.4270


 7.7919, 0.2884,
0.6527


 32.2461, 0.3170,
0.5249


 3.9621, 0.2600,
0.7400

 46.0004, 0.3194,
0.5010

 1.6524, 0.1318,
0.8682

 63.1967, 0.3207,
0.4821

 0.3925, 0.0000,
1.0000


 84.2196, 0.3214,
0.4668


 0.0000, 0.0000,
0.0000

 109.4533, 0.3217,
0.4542


 139.2823, 0.3218,


0.4436


 174.0909, 0.3217,
0.4347


 13.5263, 0.3042,
0.5966

 13.5263, 0.3042,
0.5966


 13.5262, 0.3042,
0.5967

 13.6615, 0.3060,
0.5827

 13.8602, 0.3084,
0.5638

 14.1372, 0.3104,
0.5383

 14.4997, 0.3120,
0.5081

 14.9540, 0.3131,
0.4754

■ 15.5059, 0.3137,
0.4423

■ 16.1607, 0.3139,
0.4102

■ 16.9233, 0.3137,
0.3803

■ 17.7981, 0.3133,
0.3531

Harmonies

Analogous

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



13.5263, 0.4220, 0.5506



13.5263, 0.3042, 0.5966



13.5263, 0.1944, 0.4956

Triad

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



13.5263, 0.3042, 0.5966



13.5263, 0.1175, 0.1524



13.5263, 0.5376, 0.2862

Complementary

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



13.5263, 0.3042, 0.5966



4.4313, 0.2930, 0.1388

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.



13.5263, 0.4071, 0.2165



13.5263, 0.3042, 0.5966



13.5263, 0.1674, 0.1440

Square

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



13.5263, 0.3042, 0.5966



13.5263, 0.1033, 0.2016



13.5263, 0.2644, 0.1662



13.5263, 0.5769, 0.3637

Rectangle

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



13.5263, 0.3042, 0.5966



13.5263, 0.1421, 0.3736



13.5263, 0.2644, 0.1662



13.5263, 0.5014, 0.2617

Sweetspot

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



13.5269, 0.3042, 0.5966



28.3237, 0.3139, 0.4127



14.3040, 0.4405, 0.4884



6.6155, 0.3139, 0.4235



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.



13.5269, 0.3042, 0.5966



23.7544, 0.3033, 0.5974



13.6320, 0.2808, 0.5308



4.4701, 0.3133, 0.3510



14.7514, 0.3040, 0.5968



70.1672, 0.3023, 0.5982

Inverse Universe

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



4.4313, 0.2930, 0.1388



7.7531, 0.2923, 0.1384



4.4897, 0.4415, 0.2206



4.0552, 0.3120, 0.3078



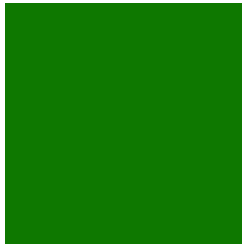
4.8279, 0.2929, 0.1387



22.7918, 0.2914, 0.1379

Previews

White Background



This preview shows how the Yxy color 13.5263, 0.3042, 0.5966 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 13.5263, 0.3042, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 13.5263, 0.3042, 0.5966.



This preview shows how white text looks on a background with the Yxy color 13.5263, 0.3042, 0.5966.

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

13.5263, 0.3042, 0.5966

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2911, 0.4560, 0.4485



Tritanopia

13.6989, 0.2394, 0.3076

Trichromacy



Original Color

13.5263, 0.3042, 0.5966



Protanomaly

12.5995, 0.3736, 0.5415



Deuteranomaly

12.1699, 0.3840, 0.5145



Tritanomaly

13.2094, 0.2701, 0.4315

Monochromacy



Original Color

13.5263, 0.3042, 0.5966



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

8.4525, 0.3135, 0.4614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5263, 0.3042, 0.5966 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(14, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(14, 120, 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(14, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5263, 0.3042, 0.5966 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(14, 120, 0) }
```

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

```
.border{ border-color:rgb(14, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(14, 120, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5263, 0.3042, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 120, 0) }
```

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

```
.background{ background-color: rgb(14, 120,  
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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