

Converting Colors

$Y_{xy}(13.1092, 0.2782, 0.6081)$

Have a look what the booklet for
Yxy(13.1092, 0.2782, 0.6081)
contains.

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Color

Yxy(13.4505, 0.2981, 0.5930)

Conversions

Conversions Part 1

Format	Color
Hex	007808
RGB	0, 120, 8
RGB Percent	0%, 47%, 3%
CMY	0.9995, 0.5294, 0.9685
CMYK	1.00, 0.00, 0.93, 0.53
HSL	124°, 100%, 24%
HSV	124°, 100%, 47%
XYZ	6.7615, 13.4505, 2.4701
YIQ	71.3520, -35.5680, -60.2720

Conversions

Conversions Part 2

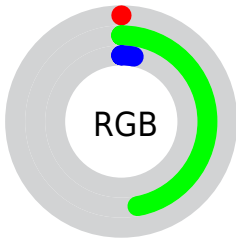
Format	Color
RYB	0, 113, 120
Decimal	30728
CIELab	43.43, -49.01, 45.86
CIELCh	43, 67.115, 136.902
Yxy	13.4505, 0.2981, 0.5930
Android (android.graphics.Color)	4278220808 (0xFF007808)
YUV	71.3520, -31.2325, -62.5757
Hunter-Lab	36.6749, -31.2721, 21.6792

Details

The Yxy color **13.4505, 0.2981, 0.5930** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.1677, 0.3375, 0.1633**, and the grayscale version is **6.4297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3277, 0.3118, 0.5210**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4500, 0.2981, 0.5931**, and if you desaturate by 10%, it is **13.5596, 0.2984, 0.5789**.

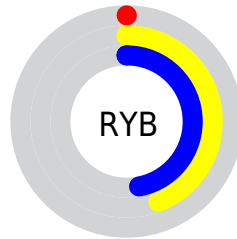
Distribution



Red (0%)

Green (47%)

Blue (3%)



Red (0%)

Yellow (44%)

Blue (47%)

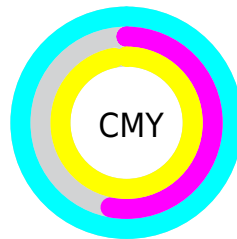


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4505, 0.2981, 0.5930 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 13.4505, 0.2981, 0.5930 by changing the saturation by 10% instead.


 13.4505, 0.2981,
0.5930


 13.4505, 0.2981,
0.5930


213.7850, 0.3184,
0.4247

 7.7395, 0.2817,
0.6492


 32.1108, 0.3117,
0.5213

 3.9287, 0.2552,
0.7448

 45.8289, 0.3145,
0.4976


 1.6338, 0.1174,
0.8826

 62.9847, 0.3162,
0.4789

 0.3802, 0.0000,
1.0000

 83.9628, 0.3172,
0.4638


 0.0000, 0.0000,
0.0000

 109.1475, 0.3178,
0.4514

 138.9231, 0.3181,


0.4410

 173.6742, 0.3183,
0.4323

 13.4505, 0.2981,
0.5930


 13.4505, 0.2981,
0.5930


 13.4500, 0.2981,
0.5931

 13.5596, 0.2984,
0.5789

 13.7244, 0.2984,
0.5583

 13.9747, 0.2991,
0.5318

 14.3198, 0.3004,
0.5013

 14.7681, 0.3021,
0.4689

■ 15.3270, 0.3041,
0.4366

■ 16.0029, 0.3063,
0.4057

■ 16.8023, 0.3085,
0.3772

■ 17.7306, 0.3107,
0.3515

Harmonies

Analogous

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



13.4505, 0.4152, 0.5541



13.4505, 0.2981, 0.5930



13.4505, 0.1902, 0.4842

Triad

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



13.4505, 0.2981, 0.5930



13.4505, 0.1203, 0.1521



13.4505, 0.5410, 0.2909

Complementary

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



13.4505, 0.2981, 0.5930



5.1677, 0.3375, 0.1633

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.



13.4505, 0.4150, 0.2208



13.4505, 0.2981, 0.5930



13.4505, 0.1724, 0.1455

Square

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



13.4505, 0.2981, 0.5930



13.4505, 0.1043, 0.1983



13.4505, 0.2719, 0.1692



13.4505, 0.5743, 0.3687

Rectangle

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



13.4505, 0.2981, 0.5930



13.4505, 0.1399, 0.3634



13.4505, 0.2719, 0.1692



13.4505, 0.5067, 0.2664

Sweetspot

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



13.4511, 0.2981, 0.5930



28.0391, 0.3061, 0.4082



17.0107, 0.4109, 0.5118



6.5446, 0.3054, 0.4186



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.



13.4511, 0.2981, 0.5930



23.6487, 0.2986, 0.5949



13.8275, 0.2660, 0.4775



4.4539, 0.3109, 0.3496



14.6726, 0.2982, 0.5934



69.9431, 0.2992, 0.5970

Inverse Universe

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



5.1677, 0.3375, 0.1633



9.0766, 0.3379, 0.1635



4.2627, 0.5083, 0.2575



4.0732, 0.3146, 0.3093



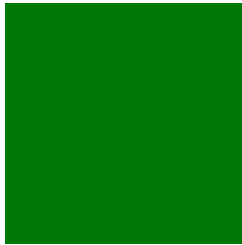
5.6338, 0.3376, 0.1633



26.8246, 0.3385, 0.1639

Previews

White Background



This preview shows how the Yxy color 13.4505, 0.2981, 0.5930 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



This preview shows how the Yxy color 13.4505, 0.2981, 0.5930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

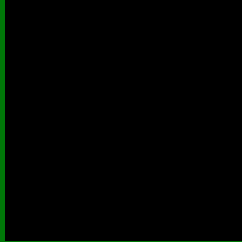
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4505, 0.2981, 0.5930

Background



This preview shows how black text looks on a background with the Yxy color 13.4505, 0.2981, 0.5930.



This preview shows how white text looks on a background with the Yxy color 13.4505, 0.2981, 0.5930.

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

13.4505, 0.2981, 0.5930

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2956, 0.4552, 0.4475



Tritanopia

13.6469, 0.2380, 0.3075

Trichromacy



Original Color

13.4505, 0.2981, 0.5930

Protanomaly

12.3997, 0.3652, 0.5450

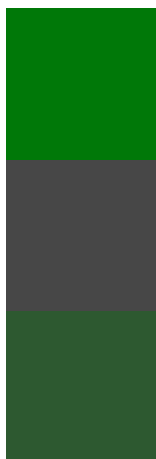
Deuteranomaly

11.9475, 0.3745, 0.5168

Tritanomaly

13.1477, 0.2635, 0.4239

Monochromacy



Original Color

13.4505, 0.2981, 0.5930

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.9160, 0.3024, 0.4614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4505, 0.2981, 0.5930 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, 120, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 8)  
}
```

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, 120, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 8) }
```

Border

The CSS property to change the border of an element to Yxy 13.4505, 0.2981, 0.5930 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, 120, 8) }
```

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

```
.border{ border-color:rgb(0, 120, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 120, 8); box-shadow:4px  
4px 4px 4px rgb(0, 120, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4505, 0.2981, 0.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 8) }
```

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

```
.background{ background-color: rgb(0, 120,  
8) }
```

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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