

Converting Colors

$Y_{xy}(13.8710, 0.2926, 0.5586)$

Have a look what the booklet for
Yxy(13.8710, 0.2926, 0.5586)
contains.

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Color

Yxy(13.8572, 0.2927, 0.5595)

Conversions

Conversions Part 1

Format	Color
Hex	0C7920
RGB	12, 121, 32
RGB Percent	5%, 47%, 13%
CMY	0.9532, 0.5255, 0.8744
CMYK	0.90, 0.00, 0.74, 0.53
HSL	131°, 82%, 26%
HSV	131°, 90%, 47%
XYZ	7.2493, 13.8572, 3.6606
YIQ	78.2630, -36.3950, -50.7870

Conversions

Conversions Part 2

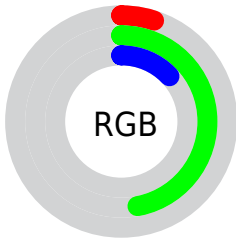
Format	Color
RYB	12, 104, 121
Decimal	817440
CIELab	44.03, -46.70, 38.95
CIELCh	44, 60.806, 140.171
Yxy	13.8572, 0.2927, 0.5595
Android (android.graphics.Color)	4279007520 (0xFF0C7920)
YUV	78.2630, -22.8077, -58.1127
Hunter-Lab	37.2253, -30.3827, 20.2273

Details

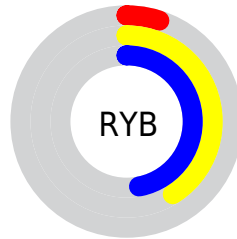
The Yxy color **13.8572, 0.2927, 0.5595** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.2649, 0.3650, 0.1855**, and the grayscale version is **7.7178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6306, 0.3043, 0.4951**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7346, 0.2938, 0.5777**, and if you desaturate by 10%, it is **14.0368, 0.2918, 0.5367**.

Distribution



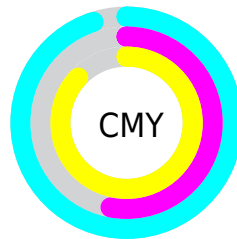
- Red (5%)
- Green (47%)
- Blue (13%)



- Red (5%)
- Yellow (41%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (74%)
- Black (53%)




- Cyan (95%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8572, 0.2927, 0.5595 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 13.8572, 0.2927, 0.5595 by changing the saturation by 10% instead.


 13.8572, 0.2927,
0.5595

 13.8572, 0.2927,
0.5595


216.3406, 0.3128,
0.4121


 8.0214, 0.2793,
0.6110


 32.8354, 0.3046,
0.4958

 4.1087, 0.2614,
0.7087

 46.7467, 0.3074,
0.4751


 1.7345, 0.1623,
0.8377

 64.1185, 0.3092,
0.4589

 0.4459, 0.0000,
1.0000


 85.3354, 0.3105,
0.4458

 0.0000, 0.0000,
0.0000

 110.7816, 0.3114,
0.4351

 140.8416, 0.3120,

0.4262


 175.8999, 0.3125,
0.4186


 13.8572, 0.2927,
0.5595


 13.8572, 0.2927,
0.5595


 13.7346, 0.2938,
0.5777

 14.0368, 0.2918,
0.5367

 14.2991, 0.2920,
0.5101

 14.6538, 0.2932,
0.4813

 15.1086, 0.2954,
0.4520

 15.6704, 0.2983,
0.4233

■ 16.3455, 0.3017,
0.3963

■ 17.1397, 0.3053,
0.3715

■ 18.0585, 0.3090,
0.3491

■ 19.1069, 0.3127,
0.3292

Harmonies

Analogous

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



13.8572, 0.4018, 0.5447



13.8572, 0.2927, 0.5595



13.8572, 0.1939, 0.4496

Triad

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



13.8572, 0.2927, 0.5595



13.8572, 0.1372, 0.1632



13.8572, 0.5269, 0.3048

Complementary

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



13.8572, 0.2927, 0.5595



5.2649, 0.3650, 0.1855

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.



13.8572, 0.4201, 0.2366



13.8572, 0.2927, 0.5595



13.8572, 0.1916, 0.1596

Square

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



13.8572, 0.2927, 0.5595



13.8572, 0.1187, 0.2037



13.8572, 0.2894, 0.1851



13.8572, 0.5509, 0.3806

Rectangle

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



13.8572, 0.2927, 0.5595



13.8572, 0.1491, 0.3453



13.8572, 0.2894, 0.1851



13.8572, 0.4987, 0.2810

Sweetspot

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



13.8578, 0.2927, 0.5595



29.5976, 0.3026, 0.3900



16.4692, 0.3881, 0.5209



6.6864, 0.3016, 0.3968



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.



13.8578, 0.2927, 0.5595



24.5771, 0.2947, 0.5810



14.4328, 0.2529, 0.4202



4.4609, 0.3094, 0.3469



14.7165, 0.2939, 0.5781



70.1049, 0.2958, 0.5849

Inverse Universe

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



5.2649, 0.3650, 0.1855



8.8640, 0.3731, 0.1829



4.5278, 0.5289, 0.2811



4.0655, 0.3162, 0.3117



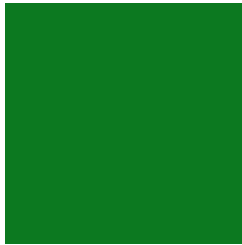
5.3144, 0.3718, 0.1822



25.2343, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 13.8572, 0.2927, 0.5595 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 13.8572, 0.2927, 0.5595 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 13.8572, 0.2927, 0.5595

Background



This preview shows how black text looks on a background with the Yxy color 13.8572, 0.2927, 0.5595.



This preview shows how white text looks on a background with the Yxy color 13.8572, 0.2927, 0.5595.

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

13.8572, 0.2927, 0.5595

Protanopia

13.6975, 0.4241, 0.4699

Deuteranopia

13.7509, 0.4392, 0.4340



Tritanopia

13.9192, 0.2384, 0.3077

Trichromacy



Original Color

13.8572, 0.2927, 0.5595



Protanomaly

12.8603, 0.3580, 0.5150



Deuteranomaly

12.6338, 0.3653, 0.4887



Tritanomaly

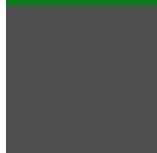
13.6054, 0.2589, 0.3998

Monochromacy



Original Color

13.8572, 0.2927, 0.5595



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.1266, 0.2984, 0.4278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8572, 0.2927, 0.5595 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(12, 121, 32)` looks like.

```
.text, #text, p{  
    color:rgb(12, 121, 32)  
}
```

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(12, 121, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 121, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.8572, 0.2927, 0.5595 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(12, 121, 32) }
```

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

```
.border{ border-color:rgb(12, 121, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 121, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 121, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 121, 32);  
box-shadow:4px 4px 4px 4px rgb(12, 121,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8572, 0.2927, 0.5595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 121, 32) }
```

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

```
.background{ background-color: rgb(12, 121,  
32) }
```

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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