

Converting Colors

$Y_{xy}(13.6177, 0.2894, 0.5478)$

Have a look what the booklet for
Yxy(13.6177, 0.2894, 0.5478)
contains.

Yxy(13.6510, 0.2892, 0.5470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.6510, 0.2892, 0.5470)

Conversions

Conversions Part 1

Format	Color
Hex	0C7826
RGB	12, 120, 38
RGB Percent	5%, 47%, 15%
CMY	0.9531, 0.5294, 0.8510
CMYK	0.90, 0.00, 0.68, 0.53
HSL	134°, 82%, 26%
HSV	134°, 90%, 47%
XYZ	7.2173, 13.6510, 4.0878
YIQ	78.3600, -38.0460, -48.3980

Conversions

Conversions Part 2

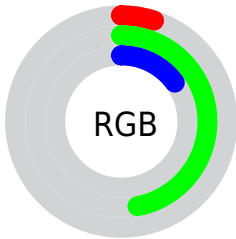
Format	Color
R_{YB}	12, 99, 120
Decimal	817190
CIE _{Lab}	43.73, -45.72, 36.01
CIE _{LCh}	44, 58.198, 141.774
Yxy	13.6510, 0.2892, 0.5470
Android (android.graphics.Color)	4279007270 (0xFF0C7826)
YUV	78.3600, -19.8975, -58.1977
Hunter-Lab	36.9473, -29.7894, 19.3033

Details

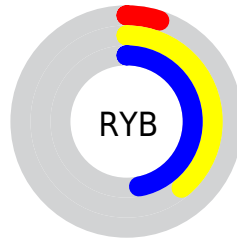
The Yxy color **13.6510, 0.2892, 0.5470** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.0624, 0.3807, 0.1948**, and the grayscale version is **7.7316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3246, 0.3012, 0.4855**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5222, 0.2907, 0.5667**, and if you desaturate by 10%, it is **13.8335, 0.2881, 0.5238**.

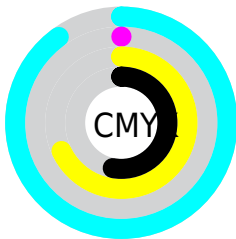
Distribution



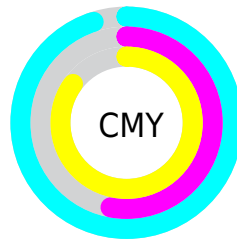
- Red (5%)
- Green (47%)
- Blue (15%)



- Red (5%)
- Yellow (39%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (68%)
- Black (53%)





- Cyan (95%)
- Magenta (53%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6510, 0.2892, 0.5470 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 13.6510, 0.2892, 0.5470 by changing the saturation by 10% instead.


 13.6510, 0.2892,
0.5470


 13.6510, 0.2892,
0.5470


215.0487, 0.3104,
0.4071


 7.8783, 0.2762,
0.5969


 32.4685, 0.3011,
0.4861


 4.0172, 0.2565,
0.6851

 46.2821, 0.3040,
0.4665


 1.6832, 0.1633,
0.8367

 63.5448, 0.3061,
0.4512

 0.4127, 0.0000,
1.0000

 84.6410, 0.3075,
0.4389

 0.0000, 0.0000,
0.0000

 109.9551, 0.3085,
0.4288

 139.8715, 0.3093,

0.4204

174.7746, 0.3099,
0.4132

13.6510, 0.2892,
0.5470

13.6510, 0.2892,
0.5470

13.5222, 0.2907,
0.5667

13.8335, 0.2881,
0.5238

14.0956, 0.2882,
0.4978

14.4464, 0.2897,
0.4704

14.8931, 0.2922,
0.4428

15.4425, 0.2956,
0.4162

■ 16.1004, 0.2995,
0.3912

■ 16.8724, 0.3038,
0.3682

■ 17.7635, 0.3083,
0.3475

■ 18.7787, 0.3127,
0.3291

Harmonies

Analogous

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



13.6510, 0.3956, 0.5412



13.6510, 0.2892, 0.5470



13.6510, 0.1941, 0.4367

Triad

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



13.6510, 0.2892, 0.5470



13.6510, 0.1438, 0.1670



13.6510, 0.5227, 0.3105

Complementary

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



13.6510, 0.2892, 0.5470



5.0624, 0.3807, 0.1948

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.



13.6510, 0.4231, 0.2429



13.6510, 0.2892, 0.5470



13.6510, 0.1994, 0.1647

Square

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



13.6510, 0.2892, 0.5470



13.6510, 0.1239, 0.2048



13.6510, 0.2968, 0.1912



13.6510, 0.5425, 0.3854

Rectangle

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



13.6510, 0.2892, 0.5470



13.6510, 0.1516, 0.3379



13.6510, 0.2968, 0.1912



13.6510, 0.4968, 0.2869

Sweetspot

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



13.6516, 0.2892, 0.5470



28.6206, 0.3005, 0.3855



15.8820, 0.3805, 0.5264



6.7013, 0.2994, 0.3919



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.



13.6516, 0.2892, 0.5470



23.7629, 0.2918, 0.5705



14.2702, 0.2485, 0.4046



4.4644, 0.3087, 0.3457



14.7489, 0.2909, 0.5673



70.2392, 0.2931, 0.5753

Inverse Universe

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



5.0624, 0.3807, 0.1948



8.3323, 0.3920, 0.1933



4.4135, 0.5451, 0.2908



4.0618, 0.3170, 0.3129



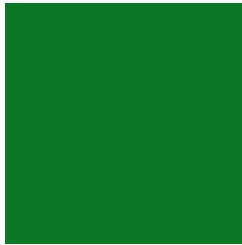
5.1793, 0.3904, 0.1924



24.5673, 0.3948, 0.1948

Previews

White Background



This preview shows how the Yxy color 13.6510, 0.2892, 0.5470 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 13.6510, 0.2892, 0.5470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

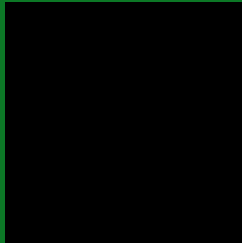
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6510, 0.2892, 0.5470

Background



This preview shows how black text looks on a background with the Yxy color 13.6510, 0.2892, 0.5470.



This preview shows how white text looks on a background with the Yxy color 13.6510, 0.2892, 0.5470.

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

13.6510, 0.2892, 0.5470

Protanopia

13.4551, 0.4199, 0.4633

Deuteranopia

13.4369, 0.4331, 0.4281



Tritanopia

13.6469, 0.2380, 0.3075

Trichromacy



Original Color

13.6510, 0.2892, 0.5470

Protanomaly

12.6783, 0.3543, 0.5039

Deuteranomaly

12.4065, 0.3609, 0.4805

Tritanomaly

13.3919, 0.2560, 0.3920

Monochromacy



Original Color

13.6510, 0.2892, 0.5470

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.9719, 0.2959, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6510, 0.2892, 0.5470 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, 120, 38)` looks like.

```
.text, #text, p{  
    color:rgb(12, 120, 38)  
}
```

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, 120, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 120, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.6510, 0.2892, 0.5470 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, 120, 38) }
```

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

```
.border{ border-color:rgb(12, 120, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 120, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 120, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 120, 38);  
box-shadow:4px 4px 4px 4px rgb(12, 120,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6510, 0.2892, 0.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 120, 38) }
```

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

```
.background{ background-color: rgb(12, 120,  
38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor