

Converting Colors

$Y_{xy}(13.8390, 0.2970, 0.5401)$

Have a look what the booklet for
Yxy(13.8390, 0.2970, 0.5401)
contains.

Yxy(13.8554, 0.2968, 0.5398)	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(13.8554, 0.2968, 0.5398)

Conversions

Conversions Part 1

Format	Color
Hex	1E7827
RGB	30, 120, 39
RGB Percent	12%, 47%, 15%
CMY	0.8824, 0.5294, 0.8470
CMYK	0.75, 0.00, 0.67, 0.53
HSL	126°, 60%, 29%
HSV	126°, 75%, 47%
XYZ	7.6182, 13.8554, 4.1941
YIQ	83.8560, -27.6390, -44.2710

Conversions

Conversions Part 2

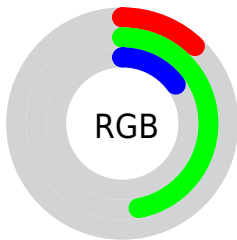
Format	Color
R_{YB}	30, 112, 120
Decimal	1996839
CIE _{Lab}	44.02, -43.15, 35.95
CIE _{LCh}	44, 56.160, 140.202
Yxy	13.8554, 0.2968, 0.5398
Android (android.graphics.Color)	4280186919 (0xFF1E7827)
YUV	83.8560, -22.1140, -47.2317
Hunter-Lab	37.2228, -28.6075, 19.3755

Details

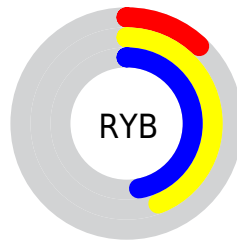
The Yxy color **13.8554, 0.2968, 0.5398** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.0684, 0.3381, 0.1852**, and the grayscale version is **8.8854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7156, 0.3063, 0.4812**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6469, 0.2967, 0.5641**, and if you desaturate by 10%, it is **14.1542, 0.2977, 0.5111**.

Distribution



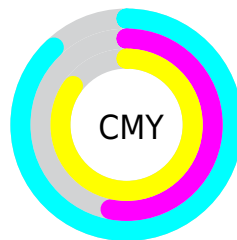
- Red (12%)
- Green (47%)
- Blue (15%)



- Red (12%)
- Yellow (44%)
- Blue (47%)



- Cyan (75%)
- Magenta (0%)
- Yellow (67%)
- Black (53%)



- Cyan (88%)
- Magenta (53%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8554, 0.2968, 0.5398 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 13.8554, 0.2968, 0.5398 by changing the saturation by 10% instead.


 13.8554, 0.2968,
0.5398


 13.8554, 0.2968,
0.5398


216.3294, 0.3131,
0.4052


 8.0202, 0.2857,
0.5874


 32.8322, 0.3065,
0.4815


 4.1079, 0.2683,
0.6693

 46.7426, 0.3088,
0.4627

 1.7341, 0.1959,
0.8041

 64.1135, 0.3103,
0.4479

 0.4456, 0.0000,
1.0000

 85.3293, 0.3113,
0.4360

 0.0000, 0.0000,
0.0000

 110.7744, 0.3120,
0.4262

 140.8332, 0.3125,

0.4181

175.8901, 0.3128,
0.4112

■ 13.8554, 0.2968,
0.5398

■ 13.8554, 0.2968,
0.5398

■ 13.6469, 0.2967,
0.5641

■ 14.1542, 0.2977,
0.5111

■ 13.5139, 0.2972,
0.5824

■ 14.5503, 0.2992,
0.4800

■ 13.4601, 0.2971,
0.5895

■ 15.0517, 0.3013,
0.4484

■ 15.6652, 0.3037,
0.4177

■ 16.3971, 0.3063,
0.3890

■ 17.2532, 0.3089,
0.3629

■ 18.2389, 0.3115,
0.3396

■ 19.3593, 0.3139,
0.3191

■ 20.6191, 0.3162,
0.3011

Harmonies

Analogous

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



13.8554, 0.4000, 0.5316



13.8554, 0.2968, 0.5398



13.8554, 0.2029, 0.4394

Triad

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



13.8554, 0.2968, 0.5398



13.8554, 0.1468, 0.1729



13.8554, 0.5113, 0.3085

Complementary

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



13.8554, 0.2968, 0.5398



6.0684, 0.3381, 0.1852

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.



13.8554, 0.4127, 0.2428



13.8554, 0.2968, 0.5398



13.8554, 0.1993, 0.1688

Square

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



13.8554, 0.2968, 0.5398



13.8554, 0.1290, 0.2126



13.8554, 0.2919, 0.1933



13.8554, 0.5360, 0.3817

Rectangle

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



13.8554, 0.2968, 0.5398



13.8554, 0.1596, 0.3453



13.8554, 0.2919, 0.1933



13.8554, 0.4850, 0.2855

Sweetspot

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



13.8560, 0.2968, 0.5398



29.0423, 0.3067, 0.3851



16.9067, 0.3950, 0.4945



6.7838, 0.3059, 0.3933



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.



13.8560, 0.2968, 0.5398



23.8242, 0.2971, 0.5779



14.3494, 0.2612, 0.4234



4.4559, 0.3104, 0.3488



14.6825, 0.2972, 0.5899



69.9754, 0.2985, 0.5945

Inverse Universe

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



6.0684, 0.3381, 0.1852



9.3187, 0.3442, 0.1720



5.3146, 0.4551, 0.2631



4.0709, 0.3151, 0.3100



5.5353, 0.3470, 0.1685



26.3322, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 13.8554, 0.2968, 0.5398 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 13.8554, 0.2968, 0.5398 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 13.8554, 0.2968, 0.5398

Background



This preview shows how black text looks on a background with the Yxy color 13.8554, 0.2968, 0.5398.



This preview shows how white text looks on a background with the Yxy color 13.8554, 0.2968, 0.5398.

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

13.8554, 0.2968, 0.5398

Protanopia

13.7350, 0.4183, 0.4613

Deuteranopia

13.7101, 0.4321, 0.4275



Tritanopia

13.8096, 0.2424, 0.3078

Trichromacy



Original Color

13.8554, 0.2968, 0.5398

Protanomaly

13.2105, 0.3629, 0.4973

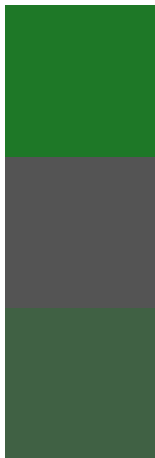
Deuteranomaly

12.9651, 0.3699, 0.4744

Tritanomaly

13.6211, 0.2637, 0.3908

Monochromacy



Original Color

13.8554, 0.2968, 0.5398

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.0567, 0.3033, 0.4104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8554, 0.2968, 0.5398 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(30, 120, 39)` looks like.

```
.text, #text, p{  
    color:rgb(30, 120, 39)  
}
```

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(30, 120, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 120, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.8554, 0.2968, 0.5398 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(30, 120, 39) }
```

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

```
.border{ border-color:rgb(30, 120, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 120, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 120, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 120, 39);  
box-shadow:4px 4px 4px 4px rgb(30, 120,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8554, 0.2968, 0.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 120, 39) }
```

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

```
.background{ background-color: rgb(30, 120,  
39) }
```

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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