

Converting Colors

$Y_{xy}(13.7457, 0.2982, 0.5345)$

Have a look what the booklet for
Yxy(13.7457, 0.2982, 0.5345)
contains.

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Color

Yxy(13.6938, 0.2981, 0.5331)

Conversions

Conversions Part 1

Format	Color
Hex	227729
RGB	34, 119, 41
RGB Percent	13%, 47%, 16%
CMY	0.8665, 0.5333, 0.8393
CMYK	0.71, 0.00, 0.66, 0.53
HSL	125°, 56%, 30%
HSV	125°, 71%, 47%
XYZ	7.6573, 13.6938, 4.3360
YIQ	84.6930, -25.6220, -42.2780

Conversions

Conversions Part 2

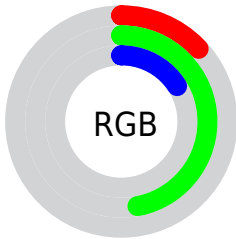
Format	Color
R_{YB}	34, 113, 119
Decimal	2258729
CIE _{Lab}	43.79, -41.77, 34.79
CIE _{LCh}	44, 54.360, 140.209
Yxy	13.6938, 0.2981, 0.5331
Android (android.graphics.Color)	4280448809 (0xFF227729)
YUV	84.6930, -21.5406, -44.4578
Hunter-Lab	37.0051, -27.8227, 18.9564

Details

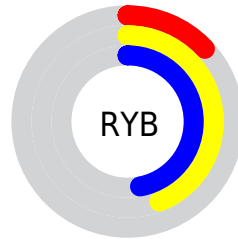
The Yxy color **13.6938, 0.2981, 0.5331** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.2388, 0.3335, 0.1873**, and the grayscale version is **9.0685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4674, 0.3066, 0.4759**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4599, 0.2976, 0.5590**, and if you desaturate by 10%, it is **14.0202, 0.2993, 0.5032**.

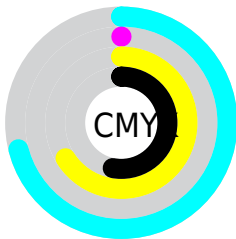
Distribution



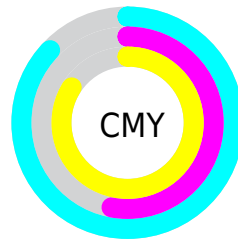
- Red (13%)
- Green (47%)
- Blue (16%)



- Red (13%)
- Yellow (44%)
- Blue (47%)



- Cyan (71%)
- Magenta (0%)
- Yellow (66%)
- Black (53%)





- Cyan (87%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6938, 0.2981, 0.5331 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 13.6938, 0.2981, 0.5331 by changing the saturation by 10% instead.


 13.6938, 0.2981,
0.5331


 13.6938, 0.2981,
0.5331


215.3175, 0.3132,
0.4027

 7.9080, 0.2877,
0.5795


 32.5447, 0.3071,
0.4765


 4.0361, 0.2708,
0.6582

 46.3787, 0.3092,
0.4583


 1.6938, 0.2030,
0.7970

 63.6641, 0.3106,
0.4440

 0.4196, 0.0000,
1.0000

 84.7854, 0.3115,
0.4324

 0.0000, 0.0000,
0.0000

 110.1270, 0.3122,
0.4230

 140.0733, 0.3126,

0.4151

175.0087, 0.3129,
0.4084

■ 13.6938, 0.2981,
0.5331

■ 13.6938, 0.2981,
0.5331

■ 13.4599, 0.2976,
0.5590

■ 14.0202, 0.2993,
0.5032

■ 13.3072, 0.2978,
0.5791

■ 14.4454, 0.3010,
0.4713

■ 13.2151, 0.2976,
0.5914

■ 14.9772, 0.3030,
0.4393

■ 15.6222, 0.3054,
0.4087

■ 16.3863, 0.3078,
0.3803

■ 17.2753, 0.3101,
0.3547

■ 18.2942, 0.3124,
0.3320

■ 19.4481, 0.3146,
0.3120

■ 20.7417, 0.3166,
0.2946

Harmonies

Analogous

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



13.6938, 0.3991, 0.5269



13.6938, 0.2981, 0.5331



13.6938, 0.2060, 0.4359

Triad

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



13.6938, 0.2981, 0.5331



13.6938, 0.1502, 0.1763



13.6938, 0.5059, 0.3096

Complementary

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



13.6938, 0.2981, 0.5331



6.2388, 0.3335, 0.1873

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.



13.6938, 0.4101, 0.2449



13.6938, 0.2981, 0.5331



13.6938, 0.2020, 0.1721

Square

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



13.6938, 0.2981, 0.5331



13.6938, 0.1327, 0.2157



13.6938, 0.2927, 0.1962



13.6938, 0.5307, 0.3819

Rectangle

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



13.6938, 0.2981, 0.5331



13.6938, 0.1633, 0.3452



13.6938, 0.2927, 0.1962



13.6938, 0.4803, 0.2869

Sweetspot

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



13.6944, 0.2981, 0.5331



29.3236, 0.3077, 0.3807



16.8424, 0.3968, 0.4864



6.8737, 0.3072, 0.3867



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.



13.6944, 0.2981, 0.5331



23.9025, 0.2977, 0.5733



14.1463, 0.2645, 0.4258



4.1026, 0.3107, 0.3490



14.0395, 0.2977, 0.5917



68.3612, 0.2989, 0.5959

Inverse Universe

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



6.2388, 0.3335, 0.1873



9.6205, 0.3385, 0.1715



5.5210, 0.4363, 0.2586



3.7530, 0.3148, 0.3097



5.3452, 0.3418, 0.1657



25.9878, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 13.6938, 0.2981, 0.5331 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 13.6938, 0.2981, 0.5331 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 13.6938, 0.2981, 0.5331

Background



This preview shows how black text looks on a background with the Yxy color 13.6938, 0.2981, 0.5331.



This preview shows how white text looks on a background with the Yxy color 13.6938, 0.2981, 0.5331.

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

13.6938, 0.2981, 0.5331

Protanopia

13.4789, 0.4163, 0.4579

Deuteranopia

13.4608, 0.4295, 0.4234



Tritanopia

13.5948, 0.2436, 0.3077

Trichromacy



Original Color

13.6938, 0.2981, 0.5331

Protanomaly

13.0557, 0.3636, 0.4916

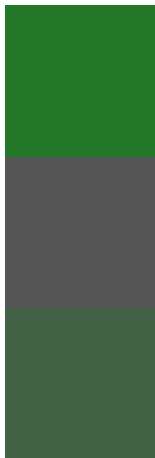
Deuteranomaly

12.8247, 0.3703, 0.4682

Tritanomaly

13.4429, 0.2649, 0.3883

Monochromacy



Original Color

13.6938, 0.2981, 0.5331

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.1373, 0.3048, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6938, 0.2981, 0.5331 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(34, 119, 41)` looks like.

```
.text, #text, p{  
    color:rgb(34, 119, 41)  
}
```

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(34, 119, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 119, 41) }
```

Border

The CSS property to change the border of an element to Yxy 13.6938, 0.2981, 0.5331 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(34, 119, 41) }
```

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

```
.border{ border-color:rgb(34, 119, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 119, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 119, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 119, 41);  
box-shadow:4px 4px 4px 4px rgb(34, 119,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6938, 0.2981, 0.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 119, 41) }
```

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

```
.background{ background-color: rgb(34, 119,  
41) }
```

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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