

Converting Colors

$Yxy(13.4038, 0.2569, 0.4301)$

Have a look what the booklet for
Yxy(13.4038, 0.2569, 0.4301)
contains.

Yxy(13.4033, 0.2569, 0.4301)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.4033, 0.2569, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	0F7550
RGB	15, 117, 80
RGB Percent	6%, 46%, 31%
CMY	0.9413, 0.5412, 0.6863
CMYK	0.87, 0.00, 0.32, 0.54
HSL	158°, 77%, 26%
HSV	158°, 87%, 46%
XYZ	8.0058, 13.4033, 9.7541
YIQ	82.2840, -48.9150, -33.1310

Conversions

Conversions Part 2

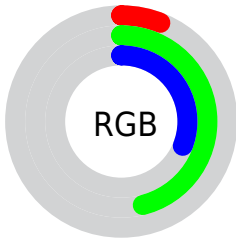
Format	Color
RYB	15, 77, 117
Decimal	1013072
CIELab	43.36, -36.71, 12.86
CIELCh	43, 38.895, 160.688
Yxy	13.4033, 0.2569, 0.4301
Android (android.graphics.Color)	4279203152 (0xFF0F7550)
YUV	82.2840, -1.1260, -59.0081
Hunter-Lab	36.6105, -25.0348, 9.8308

Details

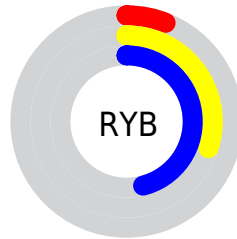
The Yxy color **13.4033, 0.2569, 0.4301** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3709, 0.5029, 0.2705**, and the grayscale version is **8.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0399, 0.2723, 0.4030**, and **4.1357, 0.2652, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **13.2628, 0.2574, 0.4434**, and if you desaturate by 10%, it is **13.5958, 0.2579, 0.4167**.

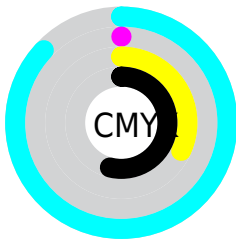
Distribution



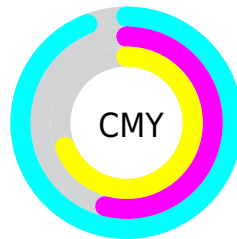
- Red (6%)
- Green (46%)
- Blue (31%)



- Red (6%)
- Yellow (30%)
- Blue (46%)



- Cyan (87%)
- Magenta (0%)
- Yellow (32%)
- Black (54%)





- Cyan (94%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4033, 0.2569, 0.4301 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 13.4033, 0.2569, 0.4301 by changing the saturation by 10% instead.


 13.4033, 0.2569,
0.4301


 13.4033, 0.2569,
0.4301


213.4864, 0.2919,
0.3662


 7.7068, 0.2443,
0.4536


 32.0265, 0.2720,
0.4023


 3.9079, 0.2246,
0.4909

 45.7219, 0.2769,
0.3934


 1.6222, 0.1794,
0.5704

 62.8526, 0.2807,
0.3864

 0.3725, 0.0000,
1.0000

 83.8027, 0.2838,
0.3808

 0.0000, 0.0000,
0.0000

 108.9568, 0.2863,
0.3762

 138.6991, 0.2885,

0.3723

173.4142, 0.2903,
0.3690

13.4033, 0.2569,
0.4301

13.4033, 0.2569,
0.4301

13.2628, 0.2574,
0.4434

13.5958, 0.2579,
0.4167

13.2254, 0.2576,
0.4472

13.8552, 0.2607,
0.4033

14.1889, 0.2653,
0.3903

14.6028, 0.2713,
0.3777

15.1023, 0.2787,
0.3658

■ 15.6924, 0.2870,
0.3547

■ 16.3774, 0.2961,
0.3445

■ 17.1616, 0.3057,
0.3352

■ 18.0489, 0.3155,
0.3267

Harmonies

Analogous

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



13.4033, 0.3329, 0.4790



13.4033, 0.2569, 0.4301



13.4033, 0.2003, 0.3424

Triad

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



13.4033, 0.2569, 0.4301



13.4033, 0.2128, 0.2060



13.4033, 0.4739, 0.3595

Complementary

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



13.4033, 0.2569, 0.4301



4.3709, 0.5029, 0.2705

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.



13.4033, 0.4350, 0.3014



13.4033, 0.2569, 0.4301



13.4033, 0.2750, 0.2179

Square

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



13.4033, 0.2569, 0.4301



13.4033, 0.1792, 0.2200



13.4033, 0.3576, 0.2516



13.4033, 0.4610, 0.4187

Rectangle

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



13.4033, 0.2569, 0.4301



13.4033, 0.1795, 0.2876



13.4033, 0.3576, 0.2516



13.4033, 0.4667, 0.3396

Sweetspot

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



13.4038, 0.2569, 0.4301



28.1594, 0.2875, 0.3542



13.4981, 0.3282, 0.5619



6.4052, 0.2852, 0.3570



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4038, 0.2569, 0.4301



23.6550, 0.2585, 0.4505



11.1660, 0.2183, 0.2937



4.1338, 0.3039, 0.3368



14.5677, 0.2577, 0.4478



70.8214, 0.2597, 0.4548

Inverse Universe

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



4.3709, 0.5029, 0.2705



7.0529, 0.5491, 0.2799



4.6748, 0.5831, 0.3472



3.7208, 0.3225, 0.3213



4.3517, 0.5440, 0.2770



21.0546, 0.5574, 0.2844

Previews

White Background



This preview shows how the Yxy color 13.4033, 0.2569, 0.4301 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 13.4033, 0.2569, 0.4301 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 13.4033, 0.2569, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 13.4033, 0.2569, 0.4301.



This preview shows how white text looks on a background with the Yxy color 13.4033, 0.2569, 0.4301.

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

13.4033, 0.2569, 0.4301

Protanopia

13.2988, 0.3653, 0.3923

Deuteranopia

13.2270, 0.3642, 0.3585



Tritanopia

13.4611, 0.2328, 0.3073

Trichromacy



Original Color

13.4033, 0.2569, 0.4301

Protanomaly

12.5330, 0.3077, 0.4075

Deuteranomaly

12.4770, 0.3074, 0.3833

Tritanomaly

13.3823, 0.2404, 0.3491

Monochromacy



Original Color

13.4033, 0.2569, 0.4301

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.6780, 0.2788, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4033, 0.2569, 0.4301 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(15, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(15, 117, 80)  
}
```

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(15, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 117, 80) }
```

Border

The CSS property to change the border of an element to Yxy 13.4033, 0.2569, 0.4301 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(15, 117, 80) }
```

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

```
.border{ border-color:rgb(15, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(15, 117,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4033, 0.2569, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 117, 80) }
```

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

```
.background{ background-color: rgb(15, 117,  
80) }
```

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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