

Converting Colors

$Yxy(13.0733, 0.2727, 0.4476)$

Have a look what the booklet for
Yxy(13.0733, 0.2727, 0.4476)
contains.

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Color

Yxy(13.0867, 0.2727, 0.4464)

Conversions

Conversions Part 1

Format	Color
Hex	237348
RGB	35, 115, 72
RGB Percent	14%, 45%, 28%
CMY	0.8626, 0.5490, 0.7177
CMYK	0.70, 0.00, 0.37, 0.55
HSL	148°, 53%, 29%
HSV	148°, 70%, 45%
XYZ	7.9945, 13.0867, 8.2349
YIQ	86.1780, -33.8770, -30.3330

Conversions

Conversions Part 2

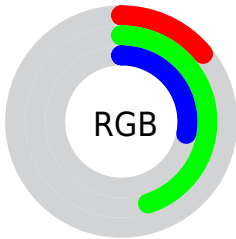
Format	Color
RYB	35, 90, 115
Decimal	2323272
CIELab	42.89, -34.78, 16.96
CIELCh	43, 38.695, 154.002
Yxy	13.0867, 0.2727, 0.4464
Android (android.graphics.Color)	4280513352 (0xFF237348)
YUV	86.1780, -6.9898, -44.8831
Hunter-Lab	36.1755, -23.8602, 11.8263

Details

The Yxy color **13.0867, 0.2727, 0.4464** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.4000, 0.4071, 0.2429**, and the grayscale version is **9.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5594, 0.2841, 0.4138**, and **3.9803, 0.2734, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **12.8411, 0.2715, 0.4665**, and if you desaturate by 10%, it is **13.4075, 0.2755, 0.4264**.

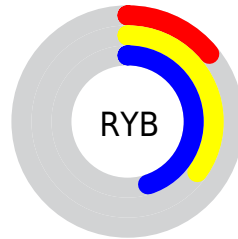
Distribution



Red (14%)

Green (45%)

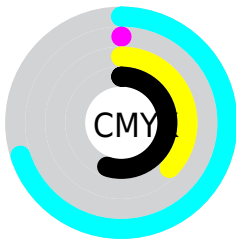
Blue (28%)



Red (14%)

Yellow (35%)

Blue (45%)

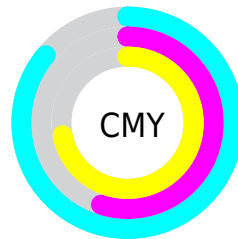


Cyan (70%)

Magenta (0%)

Yellow (37%)

Black (55%)



Cyan (86%)


Magenta (55%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0867, 0.2727, 0.4464 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 13.0867, 0.2727, 0.4464 by changing the saturation by 10% instead.


 13.0867, 0.2727,
0.4464


 13.0867, 0.2727,
0.4464


211.4726, 0.2988,
0.3716


 7.4883, 0.2624,
0.4743


 31.4595, 0.2844,
0.4136

 3.7693, 0.2455,
0.5189

 45.0026, 0.2880,
0.4032

 1.5454, 0.2097,
0.6382

 61.9627, 0.2909,
0.3950

 0.3203, 0.0000,
1.0000

 82.7243, 0.2931,
0.3885

 0.0000, 0.0000,
0.0000

 107.6717, 0.2949,
0.3831

 137.1892, 0.2964,

0.3786

171.6614, 0.2977,
0.3749

■ 13.0867, 0.2727,
0.4464

■ 13.0867, 0.2727,
0.4464

■ 12.8411, 0.2715,
0.4665

■ 13.4075, 0.2755,
0.4264

■ 12.6621, 0.2722,
0.4862

■ 13.8080, 0.2798,
0.4070

■ 12.5260, 0.2738,
0.5051

■ 14.2941, 0.2852,
0.3885

■ 12.5198, 0.2739,
0.5060

■ 14.8707, 0.2915,
0.3714

■ 15.5423, 0.2984,
0.3556

■ 16.3133, 0.3057,
0.3413

■ 17.1875, 0.3131,
0.3284

■ 18.1687, 0.3205,
0.3170

■ 19.2605, 0.3278,
0.3068

Harmonies

Analogous

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



13.0867, 0.3504, 0.4817



13.0867, 0.2727, 0.4464



13.0867, 0.2101, 0.3626

Triad

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



13.0867, 0.2727, 0.4464



13.0867, 0.2026, 0.2065



13.0867, 0.4702, 0.3462

Complementary

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



13.0867, 0.2727, 0.4464



5.4000, 0.4071, 0.2429

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.



13.0867, 0.4203, 0.2892



13.0867, 0.2727, 0.4464



13.0867, 0.2587, 0.2129

Square

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



13.0867, 0.2727, 0.4464



13.0867, 0.1753, 0.2269



13.0867, 0.3385, 0.2423



13.0867, 0.4684, 0.4059

Rectangle

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



13.0867, 0.2727, 0.4464



13.0867, 0.1846, 0.3045



13.0867, 0.3385, 0.2423



13.0867, 0.4589, 0.3266

Sweetspot

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



13.0872, 0.2727, 0.4464



27.5745, 0.2970, 0.3587



14.0460, 0.3513, 0.5107



6.5149, 0.2955, 0.3620



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.



13.0872, 0.2727, 0.4464



22.7997, 0.2717, 0.4777



13.7671, 0.2385, 0.3387



4.1238, 0.3060, 0.3406



14.3087, 0.2742, 0.5071



69.5585, 0.2768, 0.5165

Inverse Universe

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



5.4000, 0.4071, 0.2429



8.0326, 0.4398, 0.2358



4.9961, 0.5187, 0.3224



3.7307, 0.3200, 0.3176



4.5582, 0.4732, 0.2380



22.0379, 0.4836, 0.2438

Previews

White Background



This preview shows how the Yxy color 13.0867, 0.2727, 0.4464 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 13.0867, 0.2727, 0.4464 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 13.0867, 0.2727, 0.4464

Background



This preview shows how black text looks on a background with the Yxy color 13.0867, 0.2727, 0.4464.



This preview shows how white text looks on a background with the Yxy color 13.0867, 0.2727, 0.4464.

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

13.0867, 0.2727, 0.4464

Protanopia

12.9519, 0.3742, 0.4058

Deuteranopia

12.9931, 0.3786, 0.3730



Tritanopia

12.9753, 0.2404, 0.3072

Trichromacy



Original Color

13.0867, 0.2727, 0.4464

Protanomaly

12.5193, 0.3272, 0.4234

Deuteranomaly

12.4833, 0.3278, 0.3994

Tritanomaly

12.8893, 0.2519, 0.3544

Monochromacy



Original Color

13.0867, 0.2727, 0.4464

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.3368, 0.2908, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0867, 0.2727, 0.4464 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(35, 115, 72)` looks like.

```
.text, #text, p{  
    color:rgb(35, 115, 72)  
}
```

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(35, 115, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 115, 72) }
```

Border

The CSS property to change the border of an element to Yxy 13.0867, 0.2727, 0.4464 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(35, 115, 72) }
```

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

```
.border{ border-color:rgb(35, 115, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 115, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 115, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 115, 72);  
box-shadow:4px 4px 4px 4px rgb(35, 115,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0867, 0.2727, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 115, 72) }
```

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

```
.background{ background-color: rgb(35, 115,  
72) }
```

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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