

Converting Colors

$Yxy(13.0217, 0.2900, 0.3814)$

Have a look what the booklet for
Yxy(13.0217, 0.2900, 0.3814)
contains.

Yxy(13.0196, 0.2900, 0.3813)	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(13.0196, 0.2900, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	486D58
RGB	72, 109, 88
RGB Percent	28%, 43%, 35%
CMY	0.7177, 0.5725, 0.6549
CMYK	0.34, 0.00, 0.19, 0.57
HSL	146°, 20%, 35%
HSV	146°, 34%, 43%
XYZ	9.9021, 13.0196, 11.2236
YIQ	95.5430, -15.3110, -14.3750

Conversions

Conversions Part 2

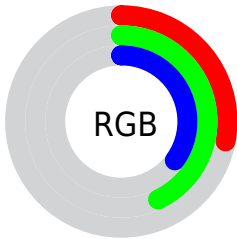
Format	Color
R_{YB}	72, 98, 109
Decimal	4746584
CIE Lab	42.79, -18.15, 7.59
CIE LCh	43, 19.671, 157.298
Yxy	13.0196, 0.2900, 0.3813
Android (android.graphics.Color)	4282936664 (0xFF486D58)
YUV	95.5430, -3.7187, -20.6472
Hunter-Lab	36.0827, -14.1591, 6.8157

Details

The Yxy color **13.0196, 0.2900, 0.3813** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6755, 0.3447, 0.2822**, and the grayscale version is **11.5928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4623, 0.2962, 0.3675**, and **3.7186, 0.2755, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **12.5395, 0.2844, 0.4000**, and if you desaturate by 10%, it is **13.5838, 0.2963, 0.3641**.

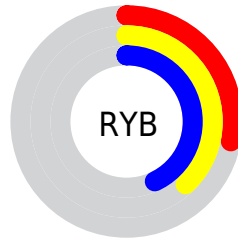
Distribution



Red (28%)

Green (43%)

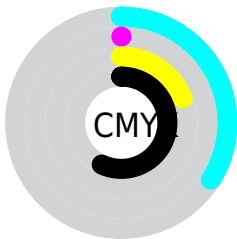
Blue (35%)



Red (28%)

Yellow (38%)

Blue (43%)

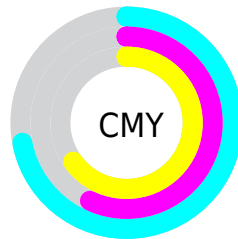


Cyan (34%)

Magenta (0%)

Yellow (19%)

Black (57%)



Cyan (72%)


Magenta (57%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0196, 0.2900, 0.3813 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 13.0196, 0.2900, 0.3813 by changing the saturation by 10% instead.


 13.0196, 0.2900,
0.3813


 13.0196, 0.2900,
0.3813


211.0432, 0.3042,
0.3488

 7.4420, 0.2849,
0.3929


 31.3390, 0.2961,
0.3673


 3.7401, 0.2769,
0.4112

 44.8496, 0.2981,
0.3628


 1.5292, 0.2625,
0.4438

 61.7734, 0.2996,
0.3592

 0.3092, 0.0000,
1.0000

 82.4947, 0.3009,
0.3563

 0.0000, 0.0000,
0.0000

 107.3979, 0.3019,
0.3540

136.8675, 0.3028,

0.3520

171.2878, 0.3035,
0.3503

■ 13.0196, 0.2900,
0.3813

■ 13.0196, 0.2900,
0.3813

■ 12.5395, 0.2844,
0.4000

■ 13.5838, 0.2963,
0.3641

■ 12.1378, 0.2797,
0.4198

■ 14.2342, 0.3030,
0.3483

■ 11.8103, 0.2762,
0.4406

■ 14.9751, 0.3100,
0.3342

■ 11.5523, 0.2743,
0.4617

■ 15.8099, 0.3169,
0.3215

■ 11.3580, 0.2740,
0.4825

■ 16.7417, 0.3238,
0.3103

■ 11.2186, 0.2753,
0.5025

■ 17.7736, 0.3305,
0.3004

■ 11.1445, 0.2762,
0.5143

■ 18.9085, 0.3370,
0.2916

■ 20.1493, 0.3432,
0.2839

■ 21.4985, 0.3491,
0.2772

Harmonies

Analogous

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



13.0196, 0.3315, 0.4031



13.0196, 0.2900, 0.3813



13.0196, 0.2561, 0.3426

Triad

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



13.0196, 0.2900, 0.3813



13.0196, 0.2559, 0.2614



13.0196, 0.3942, 0.3465

Complementary

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



13.0196, 0.2900, 0.3813



8.6755, 0.3447, 0.2822

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.



13.0196, 0.3713, 0.3127



13.0196, 0.2900, 0.3813



13.0196, 0.2897, 0.2655

Square

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



13.0196, 0.2900, 0.3813



13.0196, 0.2376, 0.2738



13.0196, 0.3321, 0.2839



13.0196, 0.3932, 0.3786

Rectangle

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



13.0196, 0.2900, 0.3813



13.0196, 0.2417, 0.3151



13.0196, 0.3321, 0.2839



13.0196, 0.3891, 0.3351

Sweetspot

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



13.0201, 0.2900, 0.3813



25.9553, 0.3056, 0.3430



13.7636, 0.3380, 0.4149



6.0085, 0.3048, 0.3445



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.0201, 0.2900, 0.3813



22.5979, 0.2853, 0.3965



13.3545, 0.2704, 0.3362



3.4645, 0.3065, 0.3411



13.0293, 0.2766, 0.5157



66.2219, 0.2794, 0.5258

Inverse Universe

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



8.6755, 0.3447, 0.2822



13.4973, 0.3554, 0.2707



8.3943, 0.3798, 0.3221



3.1429, 0.3195, 0.3172



4.2028, 0.4605, 0.2310



21.2383, 0.4707, 0.2366

Previews

White Background



This preview shows how the Yxy color 13.0196, 0.2900, 0.3813 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 13.0196, 0.2900, 0.3813 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 13.0196, 0.2900, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 13.0196, 0.2900, 0.3813.



This preview shows how white text looks on a background with the Yxy color 13.0196, 0.2900, 0.3813.

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

13.0196, 0.2900, 0.3813

Protanopia

12.8186, 0.3443, 0.3647

Deuteranopia

12.8821, 0.3477, 0.3419



Tritanopia

12.8958, 0.2663, 0.3080

Trichromacy



Original Color

13.0196, 0.2900, 0.3813

Protanomaly

12.7361, 0.3237, 0.3712

Deuteranomaly

12.6982, 0.3248, 0.3542

Tritanomaly

12.8238, 0.2740, 0.3313

Monochromacy



Original Color

13.0196, 0.2900, 0.3813

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1239, 0.3032, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0196, 0.2900, 0.3813 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(72, 109, 88)` looks like.

```
.text, #text, p{  
    color:rgb(72, 109, 88)  
}
```

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(72, 109, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 109, 88) }
```

Border

The CSS property to change the border of an element to Yxy 13.0196, 0.2900, 0.3813 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(72, 109, 88) }
```

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

```
.border{ border-color:rgb(72, 109, 88) }
```

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

Here you see how a box with a 4 pixel rgb(72, 109, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 109, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 109, 88);  
box-shadow:4px 4px 4px 4px rgb(72, 109,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0196, 0.2900, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 109, 88) }
```

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

```
.background{ background-color: rgb(72, 109,  
88) }
```

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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