

Converting Colors

$Y_{xy}(13.1790, 0.2989, 0.3900)$

Have a look what the booklet for
Yxy(13.1790, 0.2989, 0.3900)
contains.

Yxy(13.1297, 0.2984, 0.3883)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1297, 0.2984, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	4C6D55
RGB	76, 109, 85
RGB Percent	30%, 43%, 33%
CMY	0.7019, 0.5726, 0.6667
CMYK	0.30, 0.00, 0.22, 0.57
HSL	136°, 18%, 36%
HSV	136°, 30%, 43%
XYZ	10.0899, 13.1297, 10.5937
YIQ	96.3970, -11.9640, -14.4600

Conversions

Conversions Part 2

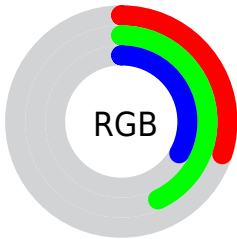
Format	Color
R_{YB}	76, 102, 109
Decimal	5008725
CIE Lab	42.96, -17.38, 9.66
CIE LCh	43, 19.888, 150.924
Yxy	13.1297, 0.2984, 0.3883
Android (android.graphics.Color)	4283198805 (0xFF4C6D55)
YUV	96.3970, -5.6187, -17.8882
Hunter-Lab	36.2349, -13.7065, 8.0303

Details

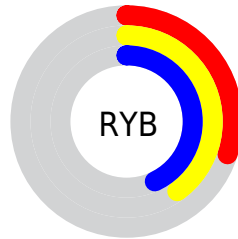
The Yxy color **13.1297, 0.2984, 0.3883** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.3445, 0.3310, 0.2763**, and the grayscale version is **11.8162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6746, 0.3023, 0.3723**, and **3.7667, 0.2890, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **12.6017, 0.2942, 0.4120**, and if you desaturate by 10%, it is **13.7487, 0.3030, 0.3666**.

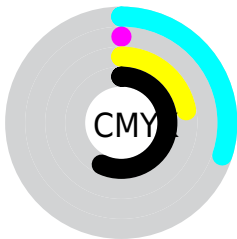
Distribution



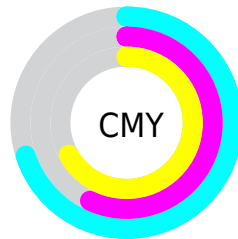
- Red (30%)
- Green (43%)
- Blue (33%)



- Red (30%)
- Yellow (40%)
- Blue (43%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (57%)



- Cyan (70%)
- Magenta (57%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1297, 0.2984, 0.3883 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 13.1297, 0.2984, 0.3883 by changing the saturation by 10% instead.

■ 13.1297, 0.2984,
0.3883

■ 13.1297, 0.2984,
0.3883

211.7472, 0.3076,
0.3514

■ 7.5179, 0.2949,
0.4015

■ 31.5366, 0.3025,
0.3724

■ 3.7881, 0.2892,
0.4223

■ 45.1005, 0.3037,
0.3673

■ 1.5557, 0.2786,
0.4596

■ 62.0839, 0.3047,
0.3632

■ 0.3275, 0.0000,
1.0000

■ 82.8712, 0.3055,
0.3600

■ 0.0000, 0.0000,
0.0000

■ 107.8468, 0.3062,
0.3573

137.3951, 0.3067,

0.3550

171.9004, 0.3072,
0.3531

■ 13.1297, 0.2984,
0.3883

■ 13.1297, 0.2984,
0.3883

■ 12.6017, 0.2942,
0.4120

■ 13.7487, 0.3030,
0.3666

■ 12.1586, 0.2906,
0.4372

■ 14.4609, 0.3078,
0.3469

■ 11.7965, 0.2878,
0.4635

■ 15.2707, 0.3126,
0.3294

■ 11.5102, 0.2862,
0.4898

■ 16.1816, 0.3173,
0.3139

■ 11.2940, 0.2859,
0.5151

■ 17.1969, 0.3219,
0.3003

■ 11.1415, 0.2870,
0.5382

■ 18.3199, 0.3263,
0.2883

■ 11.0288, 0.2884,
0.5582

■ 19.5537, 0.3304,
0.2778

■ 20.9010, 0.3343,
0.2687

■ 22.3649, 0.3379,
0.2607

Harmonies

Analogous

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



13.1297, 0.3405, 0.4052



13.1297, 0.2984, 0.3883



13.1297, 0.2618, 0.3517

Triad

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



13.1297, 0.2984, 0.3883



13.1297, 0.2501, 0.2621



13.1297, 0.3919, 0.3393

Complementary

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



13.1297, 0.2984, 0.3883



9.3445, 0.3310, 0.2763

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.



13.1297, 0.3644, 0.3058



13.1297, 0.2984, 0.3883



13.1297, 0.2812, 0.2629

Square

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



13.1297, 0.2984, 0.3883



13.1297, 0.2354, 0.2782



13.1297, 0.3230, 0.2786



13.1297, 0.3962, 0.3727

Rectangle

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



13.1297, 0.2984, 0.3883



13.1297, 0.2449, 0.3236



13.1297, 0.3230, 0.2786



13.1297, 0.3850, 0.3278

Sweetspot

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



13.1302, 0.2984, 0.3883



26.0323, 0.3083, 0.3451



14.1803, 0.3426, 0.4031



6.0219, 0.3077, 0.3472



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.



13.1302, 0.2984, 0.3883



22.8564, 0.2955, 0.4041



13.4202, 0.2798, 0.3473



3.4571, 0.3084, 0.3445



12.8962, 0.2888, 0.5595



65.5834, 0.2913, 0.5688

Inverse Universe

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



9.3445, 0.3310, 0.2763



14.9517, 0.3362, 0.2643



9.0594, 0.3606, 0.3117



3.1506, 0.3173, 0.3140



4.4654, 0.4003, 0.1979



22.6022, 0.4059, 0.2009

Previews

White Background



This preview shows how the Yxy color 13.1297, 0.2984, 0.3883 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 13.1297, 0.2984, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

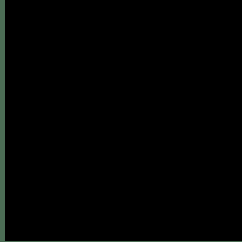
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1297, 0.2984, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 13.1297, 0.2984, 0.3883.



This preview shows how white text looks on a background with the Yxy color 13.1297, 0.2984, 0.3883.

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

13.1297, 0.2984, 0.3883

Protanopia

13.0272, 0.3498, 0.3734

Deuteranopia

12.9505, 0.3570, 0.3503



Tritanopia

13.1119, 0.2721, 0.3084

Trichromacy



Original Color

13.1297, 0.2984, 0.3883

Protanomaly

12.9966, 0.3304, 0.3801

Deuteranomaly

12.7459, 0.3334, 0.3632

Tritanomaly

12.9928, 0.2822, 0.3360

Monochromacy



Original Color

13.1297, 0.2984, 0.3883

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.2039, 0.3074, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1297, 0.2984, 0.3883 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(76, 109, 85)` looks like.

```
.text, #text, p{  
  color:rgb(76, 109, 85)  
}
```

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(76, 109, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 109, 85) }
```

Border

The CSS property to change the border of an element to Yxy 13.1297, 0.2984, 0.3883 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(76, 109, 85) }
```

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

```
.border{ border-color:rgb(76, 109, 85) }
```

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

Here you see how a box with a 4 pixel rgb(76, 109, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 109, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 109, 85);  
box-shadow:4px 4px 4px 4px rgb(76, 109,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1297, 0.2984, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 109, 85) }
```

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

```
.background{ background-color: rgb(76, 109,  
85) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor