

Converting Colors

$Y_{xy}(13.0190, 0.2898, 0.3759)$

Have a look what the booklet for
Yxy(13.0190, 0.2898, 0.3759)
contains.

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Color

$Y_{xy}(13.0919, 0.2889, 0.3760)$

Conversions

Conversions Part 1

Format	Color
Hex	496D5A
RGB	73, 109, 90
RGB Percent	29%, 43%, 35%
CMY	0.7139, 0.5725, 0.6471
CMYK	0.33, 0.00, 0.17, 0.57
HSL	148°, 20%, 36%
HSV	148°, 33%, 43%
XYZ	10.0592, 13.0919, 11.6678
YIQ	96.0700, -15.3570, -13.5410

Conversions

Conversions Part 2

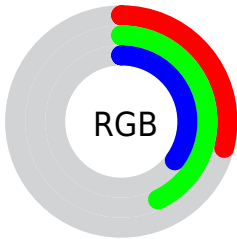
Format	Color
R_{YB}	73, 97, 109
Decimal	4812122
CIE _{Lab}	42.90, -17.38, 6.56
CIE _{LCh}	43, 18.574, 159.325
Yxy	13.0919, 0.2889, 0.3760
Android (android.graphics.Color)	4283002202 (0xFF496D5A)
YUV	96.0700, -2.9925, -20.2324
Hunter-Lab	36.1827, -13.6949, 6.2087

Details

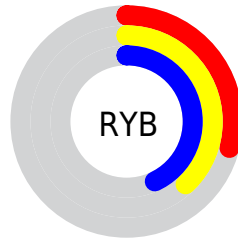
The Yxy color **13.0919, 0.2889, 0.3760** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.7841, 0.3464, 0.2865**, and the grayscale version is **11.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5941, 0.2955, 0.3640**, and **3.7523, 0.2769, 0.4035** is the 20% darker color. If you saturate the color by 10%, you get **12.6094, 0.2828, 0.3932**, and if you desaturate by 10%, it is **13.6577, 0.2957, 0.3602**.

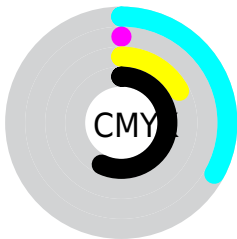
Distribution



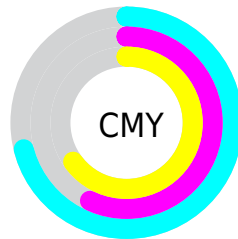
- Red (29%)
- Green (43%)
- Blue (35%)



- Red (29%)
- Yellow (38%)
- Blue (43%)



- Cyan (33%)
- Magenta (0%)
- Yellow (17%)
- Black (57%)



- Cyan (71%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0919, 0.2889, 0.3760 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 13.0919, 0.2889, 0.3760 by changing the saturation by 10% instead.

13.0919, 0.2889,
0.3760

13.0919, 0.2889,
0.3760

211.5058, 0.3036,
0.3469

7.4919, 0.2837,
0.3864

31.4688, 0.2952,
0.3635

3.7716, 0.2756,
0.4025

45.0144, 0.2973,
0.3595

1.5466, 0.2612,
0.4313

61.9774, 0.2989,
0.3563

0.3212, 0.0000,
1.0000

82.7421, 0.3002,
0.3537

0.0000, 0.0000,
0.0000

107.6928, 0.3013,
0.3515

137.2141, 0.3022,

0.3497

171.6903, 0.3030,
0.3482

■ 13.0919, 0.2889,
0.3760

■ 13.0919, 0.2889,
0.3760

■ 12.6094, 0.2828,
0.3932

■ 13.6577, 0.2957,
0.3602

■ 12.2045, 0.2777,
0.4114

■ 14.3090, 0.3029,
0.3457

■ 11.8734, 0.2738,
0.4306

■ 15.0497, 0.3104,
0.3327

■ 11.6110, 0.2714,
0.4502

■ 15.8834, 0.3179,
0.3211

■ 11.4120, 0.2707,
0.4698

■ 16.8131, 0.3254,
0.3107

■ 11.2687, 0.2718,
0.4888

■ 17.8419, 0.3327,
0.3016

■ 11.1829, 0.2727,
0.5017

■ 18.9726, 0.3397,
0.2935

■ 20.2080, 0.3465,
0.2864

■ 21.5507, 0.3529,
0.2802

Harmonies

Analogous

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



13.0919, 0.3280, 0.3979



13.0919, 0.2889, 0.3760



13.0919, 0.2575, 0.3393

Triad

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



13.0919, 0.2889, 0.3760



13.0919, 0.2608, 0.2648



13.0919, 0.3902, 0.3480

Complementary

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



13.0919, 0.2889, 0.3760



8.7841, 0.3464, 0.2865

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.



13.0919, 0.3700, 0.3158



13.0919, 0.2889, 0.3760



13.0919, 0.2936, 0.2697

Square

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



13.0919, 0.2889, 0.3760



13.0919, 0.2422, 0.2757



13.0919, 0.3338, 0.2879



13.0919, 0.3878, 0.3779

Rectangle

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



13.0919, 0.2889, 0.3760



13.0919, 0.2446, 0.3136



13.0919, 0.3338, 0.2879



13.0919, 0.3858, 0.3372

Sweetspot

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



13.0924, 0.2889, 0.3760



25.9713, 0.3050, 0.3420



13.7049, 0.3348, 0.4132



6.0126, 0.3042, 0.3434



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.



13.0924, 0.2889, 0.3760



22.7330, 0.2839, 0.3897



13.4330, 0.2694, 0.3317



3.4664, 0.3060, 0.3402



13.0725, 0.2731, 0.5031



66.4369, 0.2758, 0.5129

Inverse Universe

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



8.7841, 0.3464, 0.2865



13.6830, 0.3577, 0.2759



8.5083, 0.3810, 0.3264



3.1410, 0.3200, 0.3181



4.1492, 0.4765, 0.2399



20.9653, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 13.0919, 0.2889, 0.3760 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 13.0919, 0.2889, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

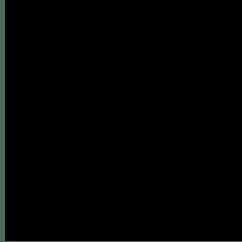
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0919, 0.2889, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 13.0919, 0.2889, 0.3760.



This preview shows how white text looks on a background with the Yxy color 13.0919, 0.2889, 0.3760.

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

13.0919, 0.2889, 0.3760

Protanopia

13.0434, 0.3411, 0.3624

Deuteranopia

12.8995, 0.3462, 0.3398



Tritanopia

13.1427, 0.2677, 0.3104

Trichromacy



Original Color

13.0919, 0.2889, 0.3760

Protanomaly

12.9684, 0.3208, 0.3686

Deuteranomaly

12.7153, 0.3234, 0.3518

Tritanomaly

13.0718, 0.2754, 0.3336

Monochromacy



Original Color

13.0919, 0.2889, 0.3760

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1902, 0.3034, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0919, 0.2889, 0.3760 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(73, 109, 90)` looks like.

```
.text, #text, p{  
    color:rgb(73, 109, 90)  
}
```

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(73, 109, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 109, 90) }
```

Border

The CSS property to change the border of an element to Yxy 13.0919, 0.2889, 0.3760 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(73, 109, 90) }
```

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

```
.border{ border-color:rgb(73, 109, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 109, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 109, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 109, 90);  
box-shadow:4px 4px 4px 4px rgb(73, 109,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0919, 0.2889, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 109, 90) }
```

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

```
.background{ background-color: rgb(73, 109,  
90) }
```

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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