

Converting Colors

$Y_{xy}(12.0096, 0.2986, 0.2819)$

Have a look what the booklet for
Yxy(12.0096, 0.2986, 0.2819)
contains.

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Color

Yxy(12.0096, 0.2986, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	685D73
RGB	104, 93, 115
RGB Percent	41%, 36%, 45%
CMY	0.5920, 0.6353, 0.5490
CMYK	0.10, 0.19, 0.00, 0.55
HSL	270°, 11%, 41%
HSV	270°, 19%, 45%
XYZ	12.7211, 12.0096, 17.8717
YIQ	98.7970, -0.5060, 9.1740

Conversions

Conversions Part 2

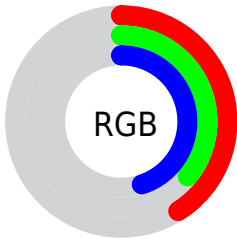
Format	Color
R_{YB}	104, 93, 115
Decimal	6839667
CIE Lab	41.23, 9.07, -10.83
CIE LCh	41, 14.128, 309.954
Yxy	12.0096, 0.2986, 0.2819
Android (android.graphics.Color)	4285029747 (0xFF685D73)
YUV	98.7970, 7.9881, 4.5630
Hunter-Lab	34.6549, 4.8775, -6.3177

Details

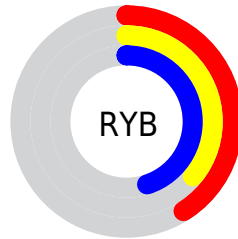
The Yxy color **12.0096, 0.2986, 0.2819** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9966, 0.3248, 0.3762**, and the grayscale version is **12.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4035, 0.3021, 0.2930**, and **3.3081, 0.2909, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **9.8091, 0.2896, 0.2549**, and if you desaturate by 10%, it is **14.5382, 0.3065, 0.3074**.

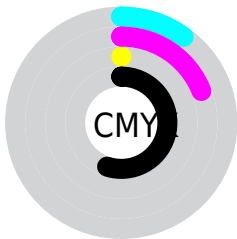
Distribution



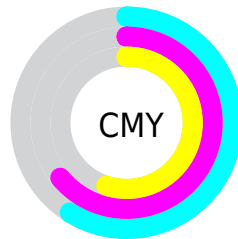
- Red (41%)
- Green (36%)
- Blue (45%)



- Red (41%)
- Yellow (36%)
- Blue (45%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (55%)



- Cyan (59%)
- Magenta (64%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0096, 0.2986, 0.2819 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 12.0096, 0.2986, 0.2819 by changing the saturation by 10% instead.

■ 12.0096, 0.2986,
0.2819

■ 12.0096, 0.2986,
0.2819

204.4688, 0.3074,
0.3100

■ 6.7502, 0.2954,
0.2727

■ 29.5126, 0.3024,
0.2935

■ 3.3064, 0.2905,
0.2591

■ 42.5250, 0.3036,
0.2974

■ 1.2937, 0.2817,
0.2371

■ 58.8905, 0.3046,
0.3005

■ 0.1363, 0.2520,
0.0979

■ 78.9936, 0.3054,
0.3031

■ 0.0000, 0.0000,
0.0000

103.2185, 0.3060,
0.3053

131.9498, 0.3066,

0.3071

165.5718, 0.3070,
0.3086

■ 12.0096, 0.2986,
0.2819

■ 12.0096, 0.2986,
0.2819

■ 9.8091, 0.2896,
0.2549

■ 14.5382, 0.3065,
0.3074

■ 7.9211, 0.2794,
0.2269

■ 17.4065, 0.3133,
0.3309

■ 6.3312, 0.2681,
0.1986

■ 20.6274, 0.3190,
0.3525

■ 5.0231, 0.2561,
0.1712

■ 24.2126, 0.3239,
0.3721

■ 3.9789, 0.2436,
0.1460

■ 28.1733, 0.3279,
0.3897

■ 3.1785, 0.2310,
0.1240

■ 32.5202, 0.3313,
0.4055

■ 2.5988, 0.2190,
0.1066

■ 37.2637, 0.3342,
0.4197

■ 2.1632, 0.2076,
0.0924

■ 42.4136, 0.3365,
0.4324

■ 2.1274, 0.2066,
0.0912

■ 47.9795, 0.3384,
0.4437

Harmonies

Analogous

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



12.0096, 0.2722, 0.2781



12.0096, 0.2986, 0.2819



12.0096, 0.3301, 0.2968

Triad

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



12.0096, 0.2986, 0.2819



12.0096, 0.3713, 0.3685



12.0096, 0.2688, 0.3367

Complementary

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



12.0096, 0.2986, 0.2819



15.9966, 0.3248, 0.3762

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.



12.0096, 0.2937, 0.3648



12.0096, 0.2986, 0.2819



12.0096, 0.3531, 0.3828

Square

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



12.0096, 0.2986, 0.2819



12.0096, 0.3733, 0.3452



12.0096, 0.3245, 0.3820



12.0096, 0.2557, 0.3079

Rectangle

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



12.0096, 0.2986, 0.2819



12.0096, 0.3497, 0.3113



12.0096, 0.3245, 0.3820



12.0096, 0.2760, 0.3466

Sweetspot

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



12.0101, 0.2986, 0.2819



27.4975, 0.3086, 0.3146



13.4660, 0.2842, 0.3048



6.5028, 0.3083, 0.3135



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.



12.0101, 0.2986, 0.2819



19.6742, 0.2947, 0.2700



12.7111, 0.3148, 0.2842



3.6716, 0.3065, 0.3076



2.4185, 0.2060, 0.0908



11.2761, 0.2008, 0.0880

Inverse Universe

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



12.4719, 0.3309, 0.3061



20.6786, 0.3361, 0.3005



15.3818, 0.3104, 0.3783



3.7285, 0.3206, 0.3185



4.5042, 0.4891, 0.2468



21.7768, 0.5005, 0.2531

Previews

White Background



This preview shows how the Yxy color 12.0096, 0.2986, 0.2819 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 12.0096, 0.2986, 0.2819 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 12.0096, 0.2986, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 12.0096, 0.2986, 0.2819.



This preview shows how white text looks on a background with the Yxy color 12.0096, 0.2986, 0.2819.

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

12.0096, 0.2986, 0.2819

Protanopia

11.9773, 0.2809, 0.2825

Deuteranopia

12.0189, 0.2901, 0.2852



Tritanopia

11.9885, 0.3120, 0.3112

Trichromacy



Original Color

12.0096, 0.2986, 0.2819

Protanomaly

11.9868, 0.2874, 0.2830

Deuteranomaly

11.9525, 0.2929, 0.2834

Tritanomaly

11.9505, 0.3080, 0.3005

Monochromacy



Original Color

12.0096, 0.2986, 0.2819

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3360, 0.3076, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0096, 0.2986, 0.2819 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(104, 93, 115)` looks like.

```
.text, #text, p{  
    color:rgb(104, 93, 115)  
}
```

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(104, 93, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 93, 115) }
```

Border

The CSS property to change the border of an element to Yxy 12.0096, 0.2986, 0.2819 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(104, 93, 115) }
```

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

```
.border{ border-color:rgb(104, 93, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 93, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 93, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 93, 115);  
box-shadow:4px 4px 4px 4px rgb(104, 93,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0096, 0.2986, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 93, 115) }
```

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

```
.background{ background-color: rgb(104, 93,  
115) }
```

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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