

Converting Colors

$Y_{xy}(13.8863, 0.3309, 0.3210)$

Have a look what the booklet for
Yxy(13.8863, 0.3309, 0.3210)
contains.

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Color

Yxy(13.8268, 0.3308, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	746468
RGB	116, 100, 104
RGB Percent	45%, 39%, 41%
CMY	0.5451, 0.6078, 0.5921
CMYK	0.00, 0.14, 0.10, 0.55
HSL	345°, 7%, 42%
HSV	345°, 14%, 45%
XYZ	14.2578, 13.8268, 15.0164
YIQ	105.2400, 8.2520, 4.6360

Conversions

Conversions Part 2

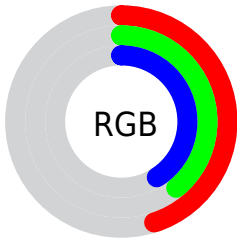
Format	Color
R _Y B	116, 100, 104
Decimal	7627880
CIE Lab	43.98, 7.12, 0.09
CIE LCh	44, 7.120, 0.713
Yxy	13.8268, 0.3308, 0.3208
Android (android.graphics.Color)	4285817960 (0xFF746468)
YUV	105.2400, -0.6113, 9.4365
Hunter-Lab	37.1844, 3.3705, 2.0857

Details

The Yxy color **13.8268, 0.3308, 0.3208** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3681, 0.2973, 0.3374**, and the grayscale version is **14.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8246, 0.3262, 0.3232**, and **4.0706, 0.3410, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **11.5907, 0.3474, 0.3145**, and if you desaturate by 10%, it is **16.3992, 0.3172, 0.3268**.

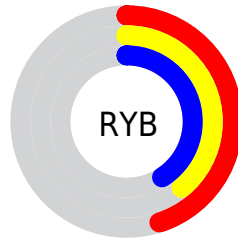
Distribution



Red (45%)

Green (39%)

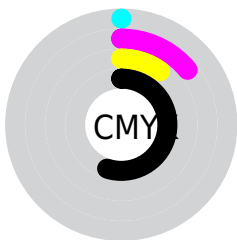
Blue (41%)



Red (45%)

Yellow (39%)

Blue (41%)

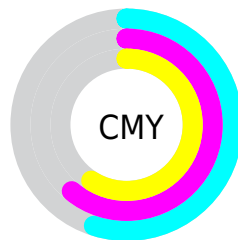


Cyan (0%)

Magenta (14%)

Yellow (10%)

Black (55%)



Cyan (55%)


Magenta (61%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8268, 0.3308, 0.3208 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 13.8268, 0.3308, 0.3208 by changing the saturation by 10% instead.


 13.8268, 0.3308,
0.3208


 13.8268, 0.3308,
0.3208


216.1507, 0.3199,
0.3257


 8.0003, 0.3344,
0.3191


 32.7814, 0.3263,
0.3229


 4.0951, 0.3399,
0.3167


 46.6783, 0.3248,
0.3235

 1.7269, 0.3489,
0.3125

 64.0341, 0.3236,
0.3241

 0.4410, 0.3932,
0.2925

 85.2332, 0.3226,
0.3245

 0.0000, 0.0000,
0.0000

110.6600, 0.3218,
0.3249

140.6989, 0.3211,

0.3252

175.7344, 0.3205,
0.3255

■ 13.8268, 0.3308,
0.3208

■ 13.8268, 0.3308,
0.3208

■ 11.5907, 0.3474,
0.3145

■ 16.3992, 0.3172,
0.3268

■ 9.6751, 0.3675,
0.3080

■ 19.3191, 0.3060,
0.3324

■ 8.0659, 0.3918,
0.3016

■ 22.5995, 0.2969,
0.3376

■ 6.7470, 0.4204,
0.2960

■ 26.2521, 0.2893,
0.3424

■ 5.7010, 0.4533,
0.2917

■ 30.2881, 0.2831,
0.3467

■ 4.9084, 0.4895,
0.2897

■ 34.7183, 0.2779,
0.3506

■ 4.3474, 0.5267,
0.2910

■ 39.5530, 0.2736,
0.3542

■ 3.9872, 0.5619,
0.2958

■ 44.8022, 0.2699,
0.3575

■ 3.8014, 0.5830,
0.2985

■ 50.4754, 0.2668,
0.3605

Harmonies

Analogous

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



13.8268, 0.3166, 0.3102



13.8268, 0.3308, 0.3208



13.8268, 0.3401, 0.3336

Triad

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



13.8268, 0.3308, 0.3208



13.8268, 0.3233, 0.3549



13.8268, 0.2843, 0.3116

Complementary

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



13.8268, 0.3308, 0.3208



16.3681, 0.2973, 0.3374

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.



13.8268, 0.2860, 0.3234



13.8268, 0.3308, 0.3208



13.8268, 0.3083, 0.3489

Square

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



13.8268, 0.3308, 0.3208



13.8268, 0.3357, 0.3535



13.8268, 0.2947, 0.3372



13.8268, 0.2900, 0.3048

Rectangle

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



13.8268, 0.3308, 0.3208



13.8268, 0.3423, 0.3419



13.8268, 0.2947, 0.3372



13.8268, 0.2841, 0.3151

Sweetspot

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



13.8274, 0.3308, 0.3208



28.6779, 0.3176, 0.3266



13.8030, 0.3082, 0.2963



6.7690, 0.3184, 0.3263



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.



13.8274, 0.3308, 0.3208



22.8083, 0.3365, 0.3185



14.4801, 0.3355, 0.3368



3.7145, 0.3240, 0.3237



4.2640, 0.5844, 0.2993



20.6599, 0.5972, 0.3063

Inverse Universe

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



13.8274, 0.3308, 0.3208



22.8083, 0.3365, 0.3185



15.6165, 0.2926, 0.3211



3.7145, 0.3240, 0.3237



4.2640, 0.5844, 0.2993



20.6599, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 13.8268, 0.3308, 0.3208 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 13.8268, 0.3308, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

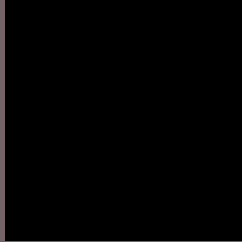
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8268, 0.3308, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 13.8268, 0.3308, 0.3208.

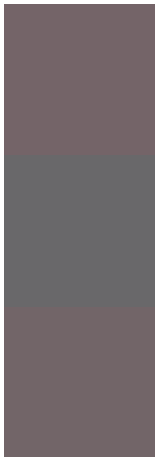


This preview shows how white text looks on a background with the Yxy color 13.8268, 0.3308, 0.3208.

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

13.8268, 0.3308, 0.3208

Protanopia

13.9445, 0.3115, 0.3247

Deuteranopia

13.8842, 0.3276, 0.3228



Tritanopia

13.6982, 0.3268, 0.3126

Trichromacy



Original Color

13.8268, 0.3308, 0.3208

Protanomaly

13.9716, 0.3186, 0.3248

Deuteranomaly

13.9517, 0.3291, 0.3228

Tritanomaly

13.6773, 0.3282, 0.3147

Monochromacy



Original Color

13.8268, 0.3308, 0.3208

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.9716, 0.3186, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8268, 0.3308, 0.3208 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(116, 100, 104)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 104)  
}
```

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(116, 100, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 104) }
```

Border

The CSS property to change the border of an element to Yxy 13.8268, 0.3308, 0.3208 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(116, 100, 104) }
```

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

```
.border{ border-color:rgb(116, 100, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 104);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8268, 0.3308, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 104) }
```

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

```
.background{ background-color: rgb(116,  
100, 104) }
```

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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