

Converting Colors

$Y_{xy}(15.9278, 0.3210, 0.3316)$

Have a look what the booklet for
Yxy(15.9278, 0.3210, 0.3316)
contains.

Yxy(15.9008, 0.3208, 0.3310) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(15.9008, 0.3208, 0.3310)

Conversions

Conversions Part 1	
Format	Color
Hex	736E6D
RGB	115, 110, 109
RGB Percent	45%, 43%, 43%
CMY	0.5489, 0.5687, 0.5725
CMYK	0.00, 0.04, 0.05, 0.55
HSL	10°, 3%, 44%
HSV	10°, 5%, 45%
XYZ	15.4108, 15.9008, 16.7271
YIQ	111.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

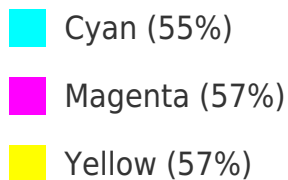
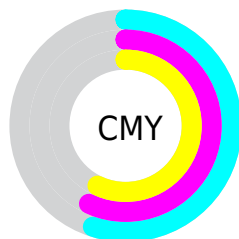
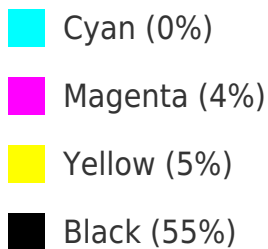
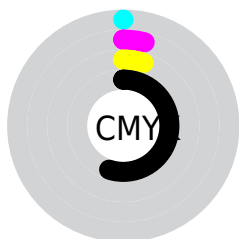
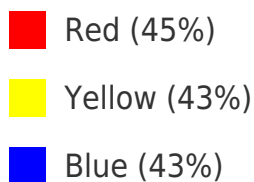
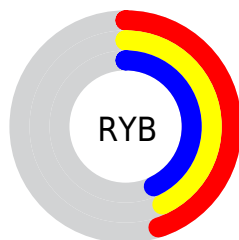
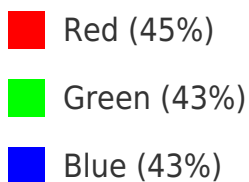
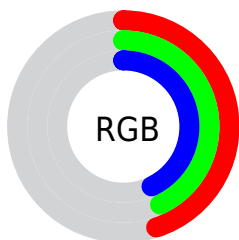
Format	Color
RYB	115, 110, 109
Decimal	7564909
CIELab	46.84, 1.77, 1.24
CIELCh	47, 2.156, 35.004
Yxy	15.9008, 0.3208, 0.3310
Android (android.graphics.Color)	4285754989 (0xFF736E6D)
YUV	111.3810, -1.1738, 3.1739
Hunter-Lab	39.8758, -0.7978, 3.0422

Details

The Yxy color $[15.9008, 0.3208, 0.3310]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[16.5389, 0.3050, 0.3270]$, and the grayscale version is $[16.0175, 0.3127, 0.3290]$.

A 20% lighter version of the original color is $[36.5942, 0.3193, 0.3319]$, and $[5.0961, 0.3235, 0.3323]$ is the 20% darker color. If you saturate the color by 10%, you get $[13.7028, 0.3386, 0.3350]$, and if you desaturate by 10%, it is $[18.3587, 0.3060, 0.3273]$.


Distribution



Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9008, 0.3208, 0.3310 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 15.9008, 0.3208, 0.3310 by changing the saturation by 10% instead.


 15.9008, 0.3208,
0.3310


 15.9008, 0.3208,
0.3310


228.7556, 0.3160,
0.3298


 9.4540, 0.3223,
0.3314

 36.4259, 0.3188,
0.3305


 5.0385, 0.3246,
0.3319

 51.2730, 0.3182,
0.3304

 2.2698, 0.3282,
0.3327

 69.6889, 0.3177,
0.3302

 0.7577, 0.3378,
0.3353

 92.0582, 0.3172,
0.3301

 0.0000, 0.0000,
0.0000

118.7650, 0.3168,
0.3300


150.1940, 0.3165,

0.3300


186.7294, 0.3163,
0.3299

 15.9008, 0.3208,
0.3310

 15.9008, 0.3208,
0.3310


 13.7028, 0.3386,
0.3350


 18.3587, 0.3060,
0.3273


 11.7541, 0.3600,
0.3393


 21.0825, 0.2938,
0.3238

 10.0465, 0.3857,
0.3436


 24.0806, 0.2835,
0.3207

 8.5707, 0.4162,
0.3478


 27.3603, 0.2749,
0.3178


 7.3165, 0.4514,
0.3514


 30.9287, 0.2677,
0.3153


 6.2732, 0.4905,
0.3539


 34.7928, 0.2615,
0.3129

 5.4290, 0.5314,
0.3545

 38.9590, 0.2563,
0.3108

 4.7711, 0.5703,
0.3526

 43.4340, 0.2518,
0.3088

 4.2837, 0.6033,
0.3484

 48.2238, 0.2478,
0.3070

Harmonies

Analogous

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



15.9008, 0.3184, 0.3272



15.9008, 0.3208, 0.3310



15.9008, 0.3210, 0.3343

Triad

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



15.9008, 0.3208, 0.3310



15.9008, 0.3109, 0.3343



15.9008, 0.3065, 0.3218

Complementary

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



15.9008, 0.3208, 0.3310



16.5389, 0.3050, 0.3270

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.



15.9008, 0.3045, 0.3237



15.9008, 0.3208, 0.3310



15.9008, 0.3070, 0.3308

Square

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



15.9008, 0.3208, 0.3310



15.9008, 0.3152, 0.3363



15.9008, 0.3047, 0.3270



15.9008, 0.3102, 0.3219

Rectangle

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



15.9008, 0.3208, 0.3310



15.9008, 0.3199, 0.3358



15.9008, 0.3047, 0.3270



15.9008, 0.3056, 0.3222

Sweetspot

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



15.9015, 0.3208, 0.3310



29.8052, 0.3158, 0.3298



15.8048, 0.3144, 0.3187



7.1265, 0.3155, 0.3297



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.



15.9015, 0.3208, 0.3310



28.0745, 0.3223, 0.3314



16.5466, 0.3203, 0.3369



3.9432, 0.3226, 0.3314



4.6635, 0.6192, 0.3466



21.8653, 0.6263, 0.3409

Inverse Universe

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



16.5389, 0.3050, 0.3270



29.4058, 0.3037, 0.3266



15.8856, 0.3052, 0.3210



4.1359, 0.3035, 0.3266



11.0172, 0.2107, 0.2783



52.6340, 0.2098, 0.2754

Previews

White Background



This preview shows how the Yxy color 15.9008, 0.3208, 0.3310 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 15.9008, 0.3208, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

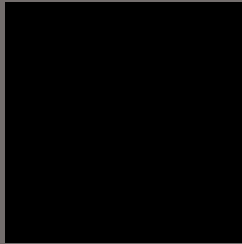
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

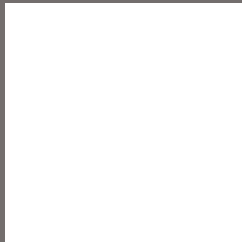
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9008, 0.3208, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 15.9008, 0.3208, 0.3310.



This preview shows how white text looks on a background with the Yxy color 15.9008, 0.3208, 0.3310.

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

15.9008, 0.3208, 0.3310

Protanopia

15.9837, 0.3179, 0.3331

Deuteranopia

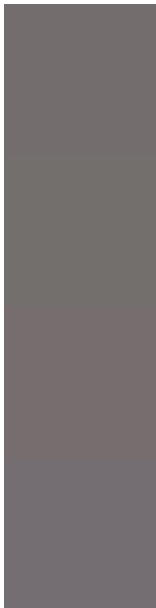
15.7788, 0.3297, 0.3232



Tritanopia

15.9346, 0.3121, 0.3132

Trichromacy



Original Color
15.9008, 0.3208, 0.3310

Protanomaly
16.0504, 0.3192, 0.3331

Deuteranomaly
15.7729, 0.3253, 0.3251

Tritanomaly
15.8652, 0.3159, 0.3190

Monochromacy



Original Color
15.9008, 0.3208, 0.3310

Achromatopsia
15.8961, 0.3127, 0.3290

Achromatomaly
15.9394, 0.3153, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9008, 0.3208, 0.3310 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(115, 110, 109) looks like.

```
.text, #text, p{  
    color:rgb(115, 110, 109)  
}
```

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(115, 110, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 110, 109) }
```

Border

The CSS property to change the border of an element to Yxy 15.9008, 0.3208, 0.3310 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(115, 110, 109) }
```

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

```
.border{ border-color:rgb(115, 110, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 110, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 110, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 110, 109);  
box-shadow:4px 4px 4px 4px rgb(115, 110,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9008, 0.3208, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 110, 109) }
```

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

```
.background{ background-color: rgb(115,  
110, 109) }
```

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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