Converting Colors

Yxy(15.8567, 0.3214, 0.3345)

Have a look what the booklet for Yxy(15.8567, 0.3214, 0.3345) contains.

Yxy(15.8120, 0.3207, 0.3331) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(15.8120, 0.3207, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	726E6C
RGB	114, 110, 108
RGB Percent	45%, 43%, 42%
CMY	0.5529, 0.5686, 0.5765
CMYK	0.00, 0.04, 0.05, 0.55
HSL	20°, 3%, 44%
HSV	20°, 5%, 45%
XYZ	15.2234, 15.8120, 16.4338
YIQ	110.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

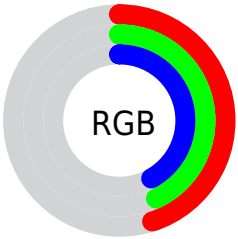
Format	Color
RYB	114, 111, 108
Decimal	7499372
CIELab	46.73, 1.16, 1.66
CIELCh	47, 2.030, 55.088
Yxy	15.8120, 0.3207, 0.3331
Android (android.graphics.Color)	4285689452 (0xFF726E6C)
YUV	110.9680, -1.4632, 2.6591
Hunter-Lab	39.7643, -1.2505, 3.3316

Details

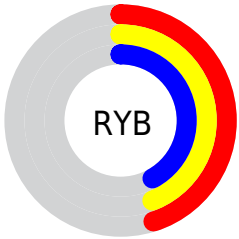
The Yxy color 15.8120, 0.3207, 0.3331 is a dark color, and the websafe version is hex 666666. A complement of this color would be 15.9932, 0.3050, 0.3249, and the grayscale version is 15.8911, 0.3127, 0.3290.

A 20% lighter version of the original color is 36.4509, 0.3192, 0.3333, and 5.0502, 0.3234, 0.3356 is the 20% darker color. If you saturate the color by 10%, you get 14.0149, 0.3377, 0.3413, and if you desaturate by 10%, it is 17.7830, 0.3061, 0.3255.

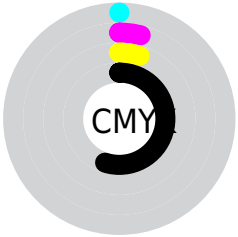
Distribution



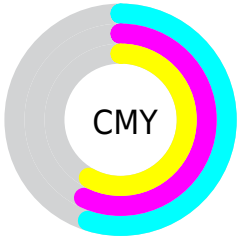
- Red (45%)
- Green (43%)
- Blue (42%)



- Red (45%)
- Yellow (44%)
- Blue (42%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (55%)



- Cyan (55%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8120, 0.3207, 0.3331 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 15.8120, 0.3207, 0.3331 by changing the saturation by 10% instead.

15.8120, 0.3207, 0.3331

15.8120, 0.3207, 0.3331

228.2298, 0.3160, 0.3307

9.3912, 0.3222, 0.3339

36.2715, 0.3188, 0.3321

4.9972, 0.3245, 0.3350

51.0790, 0.3181, 0.3318

2.2456, 0.3281, 0.3368

69.4509, 0.3176, 0.3315

0.7447, 0.3384, 0.3423

91.7716, 0.3172, 0.3313

0.0000, 0.0000, 0.0000

118.4254, 0.3168, 0.3311

149.7968, 0.3165,

0.3310

186.2701, 0.3162, 0.3308

15.8120, 0.3207, 0.3331

15.8120, 0.3207, 0.3331

14.0149, 0.3377, 0.3413

17.7830, 0.3061, 0.3255

12.3848, 0.3577, 0.3498

19.9304, 0.2937, 0.3184

10.9176, 0.3808, 0.3586

22.2593, 0.2831, 0.3119

9.6081, 0.4073, 0.3671

24.7738, 0.2739, 0.3060

8.4506, 0.4371, 0.3748

27.4781, 0.2661, 0.3006

7.4394, 0.4696, 0.3808

30.3761, 0.2593, 0.2956

6.5682, 0.5033, 0.3841

33.4716, 0.2533, 0.2911

5.8302, 0.5362, 0.3837

36.7683, 0.2482, 0.2869

5.2166, 0.5661, 0.3793

40.2698, 0.2436, 0.2831

Harmonies

Analogous

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

15.8120, 0.3198, 0.3297

15.8120, 0.3207, 0.3331

15.8120, 0.3194, 0.3354

Triad

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

15.8120, 0.3207, 0.3331

15.8120, 0.3084, 0.3319

15.8120, 0.3091, 0.3221

Complementary

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

15.8120, 0.3207, 0.3331

15.9932, 0.3050, 0.3249

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.

15.8120, 0.3060, 0.3226

15.8120, 0.3207, 0.3331

15.8120, 0.3057, 0.3283

Square

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

15.8120, 0.3207, 0.3331

15.8120, 0.3123, 0.3348

15.8120, 0.3048, 0.3249

15.8120, 0.3131, 0.3234

Rectangle

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

15.8120, 0.3207, 0.3331

15.8120, 0.3176, 0.3361

15.8120, 0.3048, 0.3249

15.8120, 0.3079, 0.3220

Sweetspot

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

15.8127, 0.3207, 0.3331

28.8646, 0.3157, 0.3306

15.4738, 0.3157, 0.3207

6.6883, 0.3155, 0.3304

58.7016, 0.3127, 0.3290

6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

15.8127, 0.3207, 0.3331

27.4924, 0.3221, 0.3338

16.4520, 0.3202, 0.3390

3.6835, 0.3223, 0.3339

5.4958, 0.5813, 0.3767

25.9371, 0.5909, 0.3690

Inverse Universe

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

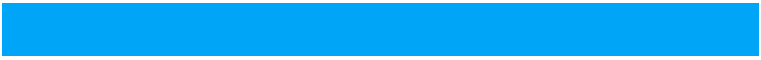
15.9932, 0.3050, 0.3249

27.8595, 0.3038, 0.3242

15.3603, 0.3051, 0.3188

3.7338, 0.3036, 0.3241

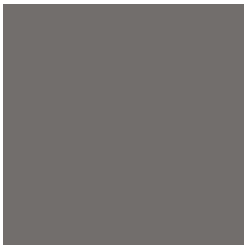
7.0767, 0.1946, 0.2206



33.6193, 0.1928, 0.2140

Previews

White Background

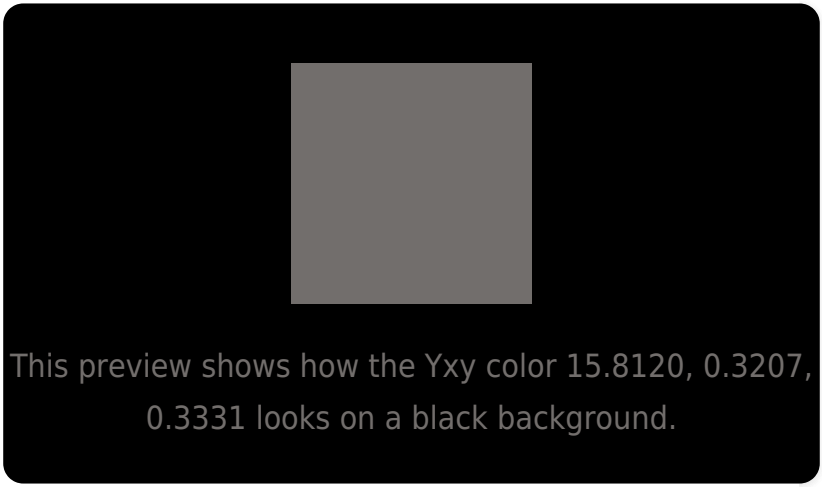


This preview shows how the Yxy color 15.8120, 0.3207, 0.3331 looks on a white background.

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



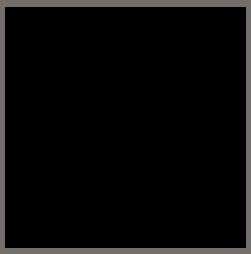
This preview shows how the Yxy color 15.8120, 0.3207, 0.3331 looks on a black background.

Color Contrast Check

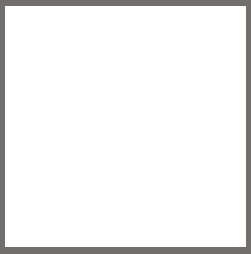
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 15.8120, 0.3207, 0.3331 Background



This preview shows how black text looks on a background with the Yxy color 15.8120, 0.3207, 0.3331.



This preview shows how white text looks on a background with the Yxy color 15.8120, 0.3207, 0.3331.

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

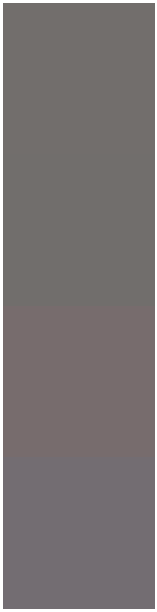
Original Color
15.8120, 0.3207, 0.3331

Protanopia
15.7453, 0.3193, 0.3331

Deuteranopia
15.7571, 0.3310, 0.3251

Tritanopia
15.8665, 0.3108, 0.3131

Trichromacy



Original Color
15.8120, 0.3207, 0.3331

Protanomaly
15.7453, 0.3193, 0.3331

Deuteranomaly
15.7512, 0.3266, 0.3271

Tritanomaly
15.7970, 0.3145, 0.3190

Monochromacy

Original Color
15.8120, 0.3207, 0.3331

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 15.8120, 0.3207, 0.3331 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(114, 110, 108) looks like.

```
.text, #text, p{
    color:rgb(114, 110, 108)
}
```

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(114, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 110, 108) }
```

Border

The CSS property to change the border of an element to Yxy 15.8120, 0.3207, 0.3331 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(114, 110, 108) }
```

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

```
.border{ border-color:rgb(114, 110, 108) }
```

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

Here you see how a box with a 4 pixel rgb(114, 110, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 110, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 110, 108); box-shadow:4px 4px 4px 4px rgb(114, 110, 108) }
```

Background

The CSS property to change the background color of an element to Yxy 15.8120, 0.3207, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(114, 110, 108) }
```

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

```
.background{ background-color:rgb(114,
110, 108) }
```

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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