

Converting Colors

$Y_{xy}(23.8281, 0.3329, 0.3481)$

Have a look what the booklet for
Yxy(23.8281, 0.3329, 0.3481)
contains.

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Color

Yxy(23.7556, 0.3327, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	8C857A
RGB	140, 133, 122
RGB Percent	55%, 52%, 48%
CMY	0.4511, 0.4784, 0.5216
CMYK	0.00, 0.05, 0.13, 0.45
HSL	37°, 7%, 51%
HSV	37°, 13%, 55%
XYZ	22.7112, 23.7556, 21.7964
YIQ	133.8390, 7.7030, -1.9370

Conversions

Conversions Part 2

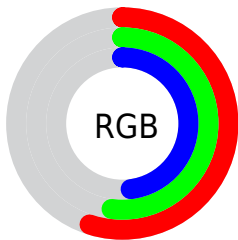
Format	Color
R_{YB}	133, 140, 122
Decimal	9209210
CIE _{Lab}	55.84, 0.60, 6.87
CIE _{LCh}	56, 6.896, 84.983
Yxy	23.7556, 0.3327, 0.3480
Android (android.graphics.Color)	4287399290 (0xFF8C857A)
YUV	133.8390, -5.8366, 5.4032
Hunter-Lab	48.7397, -2.1191, 7.6033

Details

The Yxy color **23.7556, 0.3327, 0.3480** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7152, 0.2933, 0.3092**, and the grayscale version is **23.7965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6431, 0.3290, 0.3442**, and **8.9953, 0.3412, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **21.9894, 0.3502, 0.3635**, and if you desaturate by 10%, it is **25.6503, 0.3169, 0.3331**.

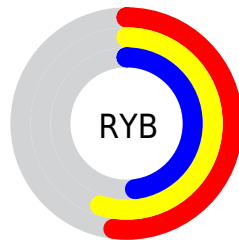
Distribution



Red (55%)

Green (52%)

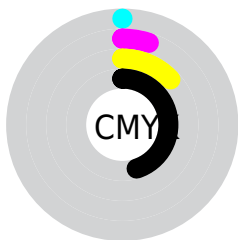
Blue (48%)



Red (52%)

Yellow (55%)

Blue (48%)

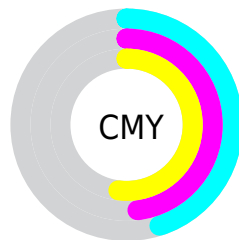


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (45%)



Cyan (45%)


Magenta (48%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7556, 0.3327, 0.3480 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 23.7556, 0.3327, 0.3480 by changing the saturation by 10% instead.


 23.7556, 0.3327,
0.3480

 23.7556, 0.3327,
0.3480


271.5825, 0.3216,
0.3375


 15.1524, 0.3359,
0.3511


 49.6311, 0.3283,
0.3439

 8.9264, 0.3404,
0.3553


 67.6722, 0.3268,
0.3424

 4.6932, 0.3470,
0.3615

 89.6280, 0.3255,
0.3412

 2.0684, 0.3577,
0.3714

115.8830, 0.3245,
0.3402

 0.6468, 0.4196,
0.4311

146.8216, 0.3236,
0.3394

 0.0000, 0.0000,
0.0000

182.8281, 0.3228,

0.3386

224.2870, 0.3222,
0.3380

■ 23.7556, 0.3327,
0.3480

■ 23.7556, 0.3327,
0.3480

■ 21.9894, 0.3502,
0.3635

■ 25.6503, 0.3169,
0.3331

■ 20.3454, 0.3694,
0.3794

■ 27.6735, 0.3028,
0.3190

■ 18.8211, 0.3901,
0.3949

■ 29.8292, 0.2902,
0.3059

■ 17.4128, 0.4120,
0.4095

■ 32.1203, 0.2791,
0.2938

■ 16.1167, 0.4342,
0.4221

■ 34.5495, 0.2692,
0.2826

■ 14.9284, 0.4560,
0.4317

■ 37.1195, 0.2604,
0.2724

■ 13.8433, 0.4762,
0.4372

■ 39.8330, 0.2527,
0.2630

■ 12.8560, 0.4938,
0.4379

■ 42.6923, 0.2458,
0.2544

■ 12.2003, 0.5056,
0.4367

■ 45.7000, 0.2396,
0.2465

Harmonies

Analogous

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



23.7556, 0.3365, 0.3408



23.7556, 0.3327, 0.3480



23.7556, 0.3235, 0.3501

Triad

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



23.7556, 0.3327, 0.3480



23.7556, 0.2920, 0.3266



23.7556, 0.3136, 0.3125

Complementary

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



23.7556, 0.3327, 0.3480



21.7152, 0.2933, 0.3092

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.



23.7556, 0.3017, 0.3087



23.7556, 0.3327, 0.3480



23.7556, 0.2895, 0.3165

Square

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



23.7556, 0.3327, 0.3480



23.7556, 0.3000, 0.3377



23.7556, 0.2930, 0.3101



23.7556, 0.3254, 0.3205

Rectangle

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



23.7556, 0.3327, 0.3480



23.7556, 0.3156, 0.3483



23.7556, 0.2930, 0.3101



23.7556, 0.3095, 0.3107

Sweetspot

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



23.7566, 0.3327, 0.3480



44.8181, 0.3188, 0.3349



21.0788, 0.3266, 0.3166



10.2730, 0.3198, 0.3359



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.7566, 0.3327, 0.3480



41.1132, 0.3369, 0.3518



25.5704, 0.3292, 0.3598



5.5254, 0.3266, 0.3424



10.8842, 0.5051, 0.4372



0.1008, 0.4593, 0.4735

Inverse Universe

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



21.7152, 0.2933, 0.3092



36.8914, 0.2895, 0.3051



20.0779, 0.2951, 0.2967



5.1889, 0.2991, 0.3152



4.0760, 0.1687, 0.1273



0.0540, 0.1916, 0.2096

Previews

White Background



This preview shows how the Yxy color 23.7556, 0.3327, 0.3480 looks on a white background.

Color Contrast Check

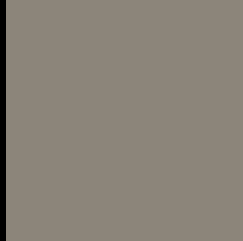
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.7556, 0.3327, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

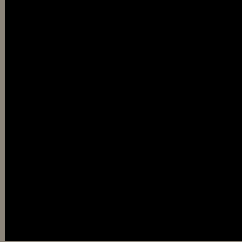
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

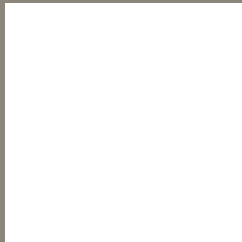
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7556, 0.3327, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 23.7556, 0.3327, 0.3480.



This preview shows how white text looks on a background with the Yxy color 23.7556, 0.3327, 0.3480.

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

23.7556, 0.3327, 0.3480

Protanopia

23.6692, 0.3315, 0.3480

Deuteranopia

23.7099, 0.3458, 0.3390



Tritanopia

23.7280, 0.3159, 0.3108

Trichromacy



Original Color

23.7556, 0.3327, 0.3480

Protanomaly

23.6692, 0.3315, 0.3480

Deuteranomaly

23.5984, 0.3407, 0.3408

Tritanomaly

23.7046, 0.3222, 0.3240

Monochromacy



Original Color

23.7556, 0.3327, 0.3480

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8961, 0.3192, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7556, 0.3327, 0.3480 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(140, 133, 122)` looks like.

```
.text, #text, p{  
    color:rgb(140, 133, 122)  
}
```

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(140, 133, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 133, 122) }
```

Border

The CSS property to change the border of an element to Yxy 23.7556, 0.3327, 0.3480 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(140, 133, 122) }
```

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

```
.border{ border-color:rgb(140, 133, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 133, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 133, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 133, 122);  
box-shadow:4px 4px 4px 4px rgb(140, 133,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7556, 0.3327, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 133, 122) }
```

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

```
.background{ background-color: rgb(140,  
133, 122) }
```

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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