

Converting Colors

$Y_{xy}(23.6784, 0.3216, 0.3359)$

Have a look what the booklet for
Yxy(23.6784, 0.3216, 0.3359)
contains.

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Color

Yxy(23.6784, 0.3216, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	898581
RGB	137, 133, 129
RGB Percent	54%, 52%, 51%
CMY	0.4626, 0.4785, 0.4941
CMYK	0.00, 0.03, 0.06, 0.46
HSL	30°, 3%, 52%
HSV	30°, 6%, 54%
XYZ	22.6704, 23.6784, 24.1436
YIQ	133.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

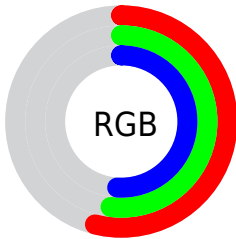
Format	Color
R_{YB}	137, 137, 129
Decimal	9012609
CIE Lab	55.76, 0.75, 2.68
CIE LCh	56, 2.782, 74.296
Yxy	23.6784, 0.3216, 0.3359
Android (android.graphics.Color)	4287202689 (0xFF898581)
YUV	133.7400, -2.3368, 2.8590
Hunter-Lab	48.6605, -1.9947, 4.6447

Details

The Yxy color $23.6784, 0.3216, 0.3359$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $23.2598, 0.3041, 0.3220$, and the grayscale version is $23.7494, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.4424, 0.3192, 0.3341$, and $8.9461, 0.3243, 0.3394$ is the 20% darker color. If you saturate the color by 10%, you get $21.5140, 0.3384, 0.3482$, and if you desaturate by 10%, it is $26.0175, 0.3069, 0.3243$.

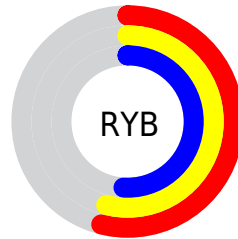
Distribution



Red (54%)

Green (52%)

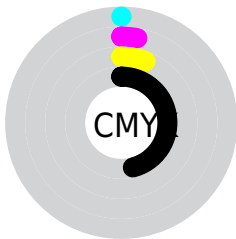
Blue (51%)



Red (54%)

Yellow (54%)

Blue (51%)

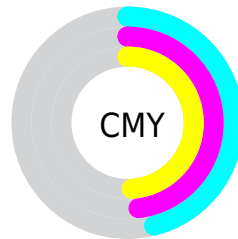


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (46%)



Cyan (46%)

Magenta (48%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6784, 0.3216, 0.3359 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 23.6784, 0.3216, 0.3359 by changing the saturation by 10% instead.

■ 23.6784, 0.3216,
0.3359

■ 23.6784, 0.3216,
0.3359

271.1905, 0.3167,
0.3321

■ 15.0952, 0.3230,
0.3370

■ 49.5049, 0.3197,
0.3344

■ 8.8862, 0.3250,
0.3385

■ 67.5170, 0.3190,
0.3339

■ 4.6671, 0.3280,
0.3408

■ 89.4409, 0.3184,
0.3334

■ 2.0533, 0.3328,
0.3445

115.6609, 0.3179,
0.3331

■ 0.6381, 0.3529,
0.3604

146.5615, 0.3176,
0.3328

■ 0.0000, 0.0000,
0.0000

182.5270, 0.3172,

0.3325

223.9419, 0.3169,
0.3323

■ 23.6784, 0.3216,
0.3359

■ 23.6784, 0.3216,
0.3359

■ 21.5140, 0.3384,
0.3482

■ 26.0175, 0.3069,
0.3243

■ 19.5169, 0.3575,
0.3611

■ 28.5324, 0.2940,
0.3135

■ 17.6837, 0.3789,
0.3741

■ 31.2280, 0.2827,
0.3035

■ 16.0097, 0.4025,
0.3868

■ 34.1081, 0.2729,
0.2943

■ 14.4899, 0.4280,
0.3983

■ 37.1765, 0.2642,
0.2859

■ 13.1189, 0.4546,
0.4078

■ 40.4367, 0.2567,
0.2782

■ 11.8911, 0.4813,
0.4139

■ 43.8922, 0.2500,
0.2711

■ 10.8002, 0.5064,
0.4157

■ 47.5464, 0.2441,
0.2647

■ 9.8379, 0.5287,
0.4127

■ 51.4026, 0.2389,
0.2588

Harmonies

Analogous

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



23.6784, 0.3222, 0.3325



23.6784, 0.3216, 0.3359



23.6784, 0.3186, 0.3375

Triad

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



23.6784, 0.3216, 0.3359



23.6784, 0.3053, 0.3297



23.6784, 0.3113, 0.3215

Complementary

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



23.6784, 0.3216, 0.3359



23.2598, 0.3041, 0.3220

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.



23.6784, 0.3068, 0.3207



23.6784, 0.3216, 0.3359



23.6784, 0.3033, 0.3254

Square

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



23.6784, 0.3216, 0.3359



23.6784, 0.3092, 0.3339



23.6784, 0.3039, 0.3221



23.6784, 0.3162, 0.3242

Rectangle

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



23.6784, 0.3216, 0.3359



23.6784, 0.3157, 0.3372



23.6784, 0.3039, 0.3221



23.6784, 0.3097, 0.3210

Sweetspot

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



23.6794, 0.3216, 0.3359



43.9445, 0.3157, 0.3314



22.7190, 0.3176, 0.3219



9.8694, 0.3155, 0.3312



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.6794, 0.3216, 0.3359



41.8655, 0.3236, 0.3375



24.7689, 0.3211, 0.3425



5.5283, 0.3239, 0.3377



8.8421, 0.5375, 0.4114



0.0880, 0.4771, 0.4593

Inverse Universe

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



23.2598, 0.3041, 0.3220



40.9566, 0.3021, 0.3204



22.2096, 0.3042, 0.3151



5.4053, 0.3019, 0.3202



5.6578, 0.1787, 0.1632



0.0668, 0.1999, 0.2396

Previews

White Background



This preview shows how the Yxy color 23.6784, 0.3216, 0.3359 looks on a white background.

Color Contrast Check

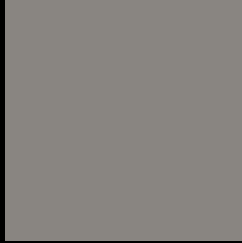
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6784, 0.3216, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

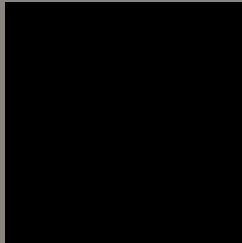
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

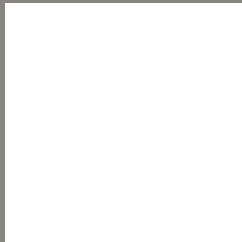
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6784, 0.3216, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 23.6784, 0.3216, 0.3359.



This preview shows how white text looks on a background with the Yxy color 23.6784, 0.3216, 0.3359.

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

23.6784, 0.3216, 0.3359

Protanopia

23.6784, 0.3216, 0.3359

Deuteranopia

23.6081, 0.3341, 0.3274



Tritanopia

23.6447, 0.3112, 0.3122

Trichromacy



Original Color

23.6784, 0.3216, 0.3359

Protanomaly

23.6784, 0.3216, 0.3359

Deuteranomaly

23.5063, 0.3292, 0.3291

Tritanomaly

23.7119, 0.3143, 0.3205

Monochromacy



Original Color

23.6784, 0.3216, 0.3359

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8670, 0.3159, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6784, 0.3216, 0.3359 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(137, 133, 129)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 129)  
}
```

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(137, 133, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 129) }
```

Border

The CSS property to change the border of an element to Yxy 23.6784, 0.3216, 0.3359 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(137, 133, 129) }
```

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

```
.border{ border-color:rgb(137, 133, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 133, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 129);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6784, 0.3216, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 129) }
```

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

```
.background{ background-color: rgb(137,  
133, 129) }
```

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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