

Converting Colors

$Y_{xy}(32.0775, 0.3378, 0.3727)$

Have a look what the booklet for
Yxy(32.0775, 0.3378, 0.3727)
contains.

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Color

Yxy(32.2055, 0.3369, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	9A9C80
RGB	154, 156, 128
RGB Percent	60%, 61%, 50%
CMY	0.3960, 0.3882, 0.4981
CMYK	0.01, 0.00, 0.18, 0.39
HSL	64°, 12%, 56%
HSV	64°, 18%, 61%
XYZ	29.1120, 32.2055, 25.0938
YIQ	152.2100, 7.7960, -9.1320

Conversions

Conversions Part 2

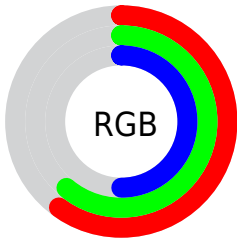
Format	Color
RYB	128, 156, 130
Decimal	10132608
CIELab	63.51, -5.69, 14.47
CIElCh	64, 15.546, 111.454
Yxy	32.2055, 0.3369, 0.3727
Android (android.graphics.Color)	4288322688 (0xFF9A9C80)
YUV	152.2100, -11.9355, 1.5698
Hunter-Lab	56.7499, -7.7441, 13.5079

Details

The Yxy color **32.2055, 0.3369, 0.3727** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.5738, 0.2861, 0.2818**, and the grayscale version is **31.5456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9847, 0.3325, 0.3630**, and **13.5512, 0.3446, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **31.7194, 0.3505, 0.3977**, and if you desaturate by 10%, it is **32.7586, 0.3233, 0.3480**.

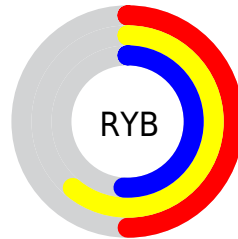
Distribution



Red (60%)

Green (61%)

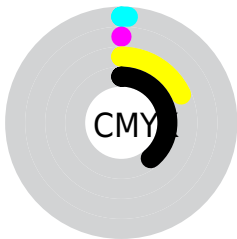
Blue (50%)



Red (50%)

Yellow (61%)

Blue (51%)

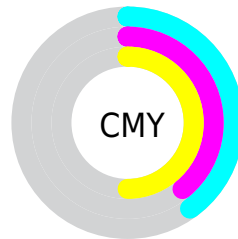


Cyan (1%)

Magenta (0%)

Yellow (18%)

Black (39%)



Cyan (40%)


Magenta (39%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2055, 0.3369, 0.3727 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 32.2055, 0.3369, 0.3727 by changing the saturation by 10% instead.


 32.2055, 0.3369,
0.3727


 32.2055, 0.3369,
0.3727


312.0543, 0.3242,
0.3492


 21.5185, 0.3402,
0.3791


 63.1331, 0.3322,
0.3638

 13.5035, 0.3446,
0.3878


 84.1425, 0.3304,
0.3605

 7.7762, 0.3506,
0.4000


 109.3615, 0.3290,
0.3578

 3.9521, 0.3591,
0.4183

139.1745, 0.3277,
0.3556

 1.6468, 0.3761,
0.4538

173.9659, 0.3267,
0.3536

 0.3888, 0.3725,
0.6275

214.1201, 0.3258,

 0.0000, 0.0000,

0.3520

0.0000

260.0214, 0.3250,
0.3505

■ 32.2055, 0.3369,
0.3727

■ 32.2055, 0.3369,
0.3727

■ 31.7194, 0.3505,
0.3977

■ 32.7586, 0.3233,
0.3480

■ 31.2932, 0.3636,
0.4222

■ 33.3771, 0.3101,
0.3243

■ 30.9251, 0.3758,
0.4454

■ 34.0651, 0.2974,
0.3018

■ 30.6118, 0.3864,
0.4664

■ 34.8248, 0.2855,
0.2808

■ 30.3496, 0.3951,
0.4842

■ 35.6586, 0.2745,
0.2615

■ 30.1343, 0.4014,
0.4981

■ 36.5686, 0.2643,
0.2438

■ 29.9609, 0.4052,
0.5078

■ 37.5571, 0.2550,
0.2278

■ 29.8206, 0.4069,
0.5138

■ 38.6259, 0.2466,
0.2133

■ 29.7932, 0.4072,
0.5149

■ 38.8855, 0.2461,
0.2115

Harmonies

Analogous

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



32.2055, 0.3550, 0.3660



32.2055, 0.3369, 0.3727



32.2055, 0.3128, 0.3667

Triad

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



32.2055, 0.3369, 0.3727



32.2055, 0.2661, 0.3051



32.2055, 0.3358, 0.3097

Complementary

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



32.2055, 0.3369, 0.3727



22.5738, 0.2861, 0.2818

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.



32.2055, 0.3111, 0.2948



32.2055, 0.3369, 0.3727



32.2055, 0.2716, 0.2916

Square

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



32.2055, 0.3369, 0.3727



32.2055, 0.2725, 0.3263



32.2055, 0.2878, 0.2882



32.2055, 0.3545, 0.3295

Rectangle

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



32.2055, 0.3369, 0.3727



32.2055, 0.2966, 0.3561



32.2055, 0.2878, 0.2882



32.2055, 0.3279, 0.3040

Sweetspot

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



32.2069, 0.3369, 0.3727



59.8073, 0.3195, 0.3411



24.5487, 0.3459, 0.3321



13.1446, 0.3203, 0.3427



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



32.2069, 0.3369, 0.3727



58.0860, 0.3430, 0.3839



30.9209, 0.3226, 0.3747



7.6965, 0.3250, 0.3512



24.5462, 0.4072, 0.5148



0.4453, 0.4124, 0.5107

Inverse Universe

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



22.5738, 0.2861, 0.2818



36.9098, 0.2785, 0.2686



23.7477, 0.3012, 0.2839



6.4566, 0.2998, 0.3060



2.0424, 0.1529, 0.0616



0.0423, 0.1670, 0.0694

Previews

White Background



This preview shows how the Yxy color 32.2055, 0.3369, 0.3727 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.2055, 0.3369, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

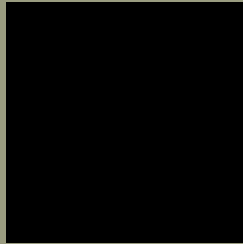
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

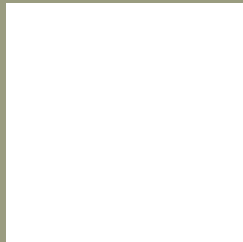
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2055, 0.3369, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 32.2055, 0.3369, 0.3727.



This preview shows how white text looks on a background with the Yxy color 32.2055, 0.3369, 0.3727.

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

32.2055, 0.3369, 0.3727

Protanopia

31.9962, 0.3471, 0.3687

Deuteranopia

32.1386, 0.3619, 0.3552



Tritanopia

32.1485, 0.3096, 0.3112

Trichromacy



Original Color

32.2055, 0.3369, 0.3727

Protanomaly

32.0144, 0.3436, 0.3706

Deuteranomaly

32.1532, 0.3532, 0.3618

Tritanomaly

32.1526, 0.3195, 0.3336

Monochromacy



Original Color

32.2055, 0.3369, 0.3727

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.5379, 0.3221, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2055, 0.3369, 0.3727 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(154, 156, 128)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 128)  
}
```

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(154, 156, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 128) }
```

Border

The CSS property to change the border of an element to Yxy 32.2055, 0.3369, 0.3727 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(154, 156, 128) }
```

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

```
.border{ border-color:rgb(154, 156, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 128);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2055, 0.3369, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 128) }
```

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

```
.background{ background-color: rgb(154,  
156, 128) }
```

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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