

Converting Colors

$Y_{xy}(32.2399, 0.3083, 0.3629)$

Have a look what the booklet for
Yxy(32.2399, 0.3083, 0.3629)
contains.

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Color

Yxy(32.2399, 0.3083, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	88A08B
RGB	136, 160, 139
RGB Percent	53%, 63%, 55%
CMY	0.4665, 0.3726, 0.4548
CMYK	0.15, 0.00, 0.13, 0.37
HSL	127°, 11%, 58%
HSV	127°, 15%, 63%
XYZ	27.3893, 32.2399, 29.2105
YIQ	150.4300, -7.5630, -11.6190

Conversions

Conversions Part 2

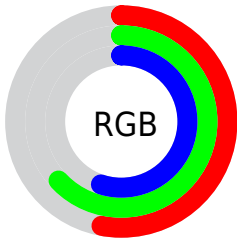
Format	Color
RYB	136, 157, 160
Decimal	8953995
CIELab	63.54, -12.59, 8.15
CIELCh	64, 14.999, 147.090
Yxy	32.2399, 0.3083, 0.3629
Android (android.graphics.Color)	4287144075 (0xFF88A08B)
YUV	150.4300, -5.6350, -12.6551
Hunter-Lab	56.7802, -13.2617, 9.2445

Details

The Yxy color **32.2399, 0.3083, 0.3629** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.5261, 0.3175, 0.2973**, and the grayscale version is **30.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2255, 0.3092, 0.3568**, and **13.4248, 0.3066, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **30.6160, 0.3053, 0.3891**, and if you desaturate by 10%, it is **34.1190, 0.3113, 0.3396**.

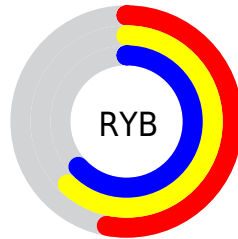
Distribution



Red (53%)

Green (63%)

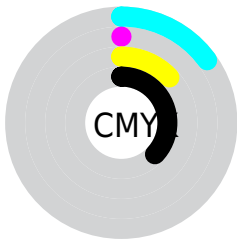
Blue (55%)



Red (53%)

Yellow (62%)

Blue (63%)

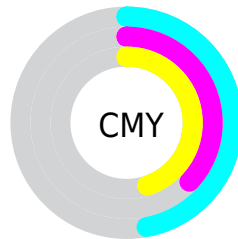


Cyan (15%)

Magenta (0%)

Yellow (13%)

Black (37%)



Cyan (47%)


Magenta (37%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2399, 0.3083, 0.3629 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 32.2399, 0.3083, 0.3629 by changing the saturation by 10% instead.


 32.2399, 0.3083,
0.3629


 32.2399, 0.3083,
0.3629


312.2106, 0.3108,
0.3445

 21.5448, 0.3075,
0.3680

 63.1870, 0.3093,
0.3558

 13.5228, 0.3065,
0.3750


 84.2078, 0.3097,
0.3533

 7.7895, 0.3049,
0.3849


 109.4392, 0.3099,
0.3512

 3.9606, 0.3022,
0.4003

139.2658, 0.3102,
0.3495

 1.6515, 0.2971,
0.4272

174.0718, 0.3104,
0.3480

 0.3920, 0.1426,
0.8574

214.2417, 0.3106,

 0.0000, 0.0000,

0.3467

0.0000

260.1598, 0.3107,
0.3455

■ 32.2399, 0.3083,
0.3629

■ 32.2399, 0.3083,
0.3629

■ 30.6160, 0.3053,
0.3891

■ 34.1190, 0.3113,
0.3396

■ 29.2324, 0.3024,
0.4179

■ 36.2595, 0.3141,
0.3190

■ 28.0789, 0.2997,
0.4488


■ 38.6721, 0.3168,
0.3011

■ 27.1429, 0.2975,
0.4806


■ 41.3661, 0.3194,
0.2856

■ 26.4106, 0.2960,
0.5118

■ 44.3501, 0.3217,
0.2722

 25.8668, 0.2953,
0.5405

 47.6325, 0.3239,
0.2606


 25.4939, 0.2956,
0.5646

 51.2212, 0.3258,
0.2506

 25.2703, 0.2967,
0.5827

 53.3706, 0.3202,
0.2399

 25.1897, 0.2971,
0.5894

 53.6196, 0.3171,
0.2366

Harmonies

Analogous

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



32.2399, 0.3320, 0.3710



32.2399, 0.3083, 0.3629



32.2399, 0.2864, 0.3446

Triad

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



32.2399, 0.3083, 0.3629



32.2399, 0.2752, 0.2915



32.2399, 0.3553, 0.3333

Complementary

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



32.2399, 0.3083, 0.3629



27.5261, 0.3175, 0.2973

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.



32.2399, 0.3390, 0.3137



32.2399, 0.3083, 0.3629



32.2399, 0.2925, 0.2901

Square

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



32.2399, 0.3083, 0.3629



32.2399, 0.2679, 0.3029



32.2399, 0.3158, 0.2982



32.2399, 0.3597, 0.3527

Rectangle

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



32.2399, 0.3083, 0.3629



32.2399, 0.2757, 0.3297



32.2399, 0.3158, 0.2982



32.2399, 0.3510, 0.3266

Sweetspot

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



32.2413, 0.3083, 0.3629



62.2846, 0.3115, 0.3376



34.1063, 0.3317, 0.3655



13.6021, 0.3113, 0.3392



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.2413, 0.3083, 0.3629



57.5001, 0.3073, 0.3714



32.6050, 0.2982, 0.3436



7.4138, 0.3100, 0.3492



19.6278, 0.2968, 0.5884



0.3544, 0.2840, 0.5426

Inverse Universe

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



27.5261, 0.3175, 0.2973



47.2504, 0.3186, 0.2900



27.1424, 0.3299, 0.3149



6.7404, 0.3155, 0.3096



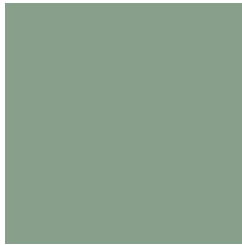
7.3036, 0.3542, 0.1725



0.1342, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 32.2399, 0.3083, 0.3629 looks on a white background.

Color Contrast Check

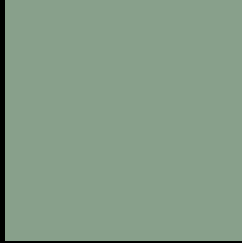
Large Text (above 18pt) WCAG AA × Fail

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 32.2399, 0.3083, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

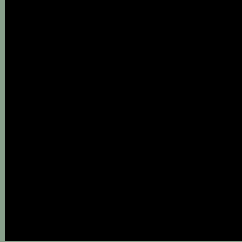
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

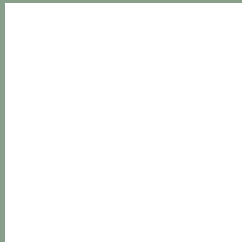
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2399, 0.3083, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 32.2399, 0.3083, 0.3629.



This preview shows how white text looks on a background with the Yxy color 32.2399, 0.3083, 0.3629.

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

32.2399, 0.3083, 0.3629

Protanopia

32.1088, 0.3382, 0.3564

Deuteranopia

31.9871, 0.3461, 0.3393



Tritanopia

32.2668, 0.2882, 0.3105

Trichromacy



Original Color

32.2399, 0.3083, 0.3629

Protanomaly

32.2299, 0.3272, 0.3602

Deuteranomaly

31.8235, 0.3324, 0.3473

Tritanomaly

32.0372, 0.2956, 0.3290

Monochromacy



Original Color

32.2399, 0.3083, 0.3629

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2063, 0.3111, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2399, 0.3083, 0.3629 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(136, 160, 139)` looks like.

```
.text, #text, p{  
    color:rgb(136, 160, 139)  
}
```

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(136, 160, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 160, 139) }
```

Border

The CSS property to change the border of an element to Yxy 32.2399, 0.3083, 0.3629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

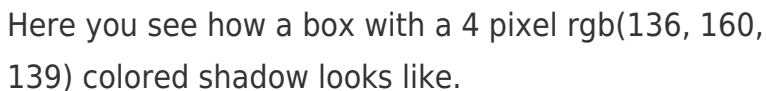
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 160, 139) }
```

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

```
.border{ border-color:rgb(136, 160, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(136, 160, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 160, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 160, 139); box-shadow:4px 4px 4px 4px rgb(136, 160, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2399, 0.3083, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 160, 139) }
```

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

```
.background{ background-color: rgb(136,  
160, 139) }
```

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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