

Converting Colors

$Yxy(32.1001, 0.3244, 0.3700)$

Have a look what the booklet for
Yxy(32.1001, 0.3244, 0.3700)
contains.

Yxy(32.2307, 0.3245, 0.3703)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.2307, 0.3245, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	929E84
RGB	146, 158, 132
RGB Percent	57%, 62%, 52%
CMY	0.4275, 0.3804, 0.4823
CMYK	0.08, 0.00, 0.16, 0.38
HSL	88°, 12%, 57%
HSV	88°, 16%, 62%
XYZ	28.2443, 32.2307, 26.5644
YIQ	151.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

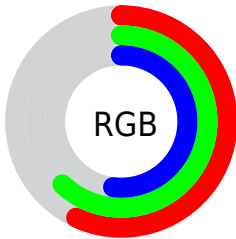
Format	Color
R _Y B	132, 158, 144
Decimal	9608836
CIE Lab	63.53, -9.16, 12.15
CIE LCh	64, 15.218, 126.995
Yxy	32.2307, 0.3245, 0.3703
Android (android.graphics.Color)	4287798916 (0xFF929E84)
YUV	151.4480, -9.5879, -4.7779
Hunter-Lab	56.7721, -10.5468, 11.9979

Details

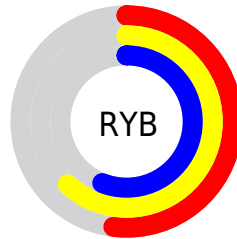
The Yxy color **32.2307, 0.3245, 0.3703** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.9051, 0.2993, 0.2875**, and the grayscale version is **31.1910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3706, 0.3223, 0.3623**, and **13.5575, 0.3281, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **31.1836, 0.3314, 0.3977**, and if you desaturate by 10%, it is **33.3890, 0.3173, 0.3446**.

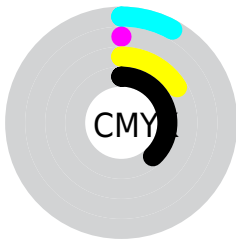
Distribution



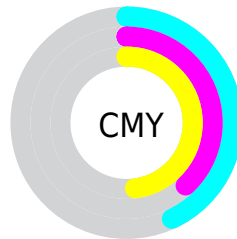
- Red (57%)
- Green (62%)
- Blue (52%)



- Red (52%)
- Yellow (62%)
- Blue (56%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (38%)




- Cyan (43%)
- Magenta (38%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2307, 0.3245, 0.3703 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 32.2307, 0.3245, 0.3703 by changing the saturation by 10% instead.


 32.2307, 0.3245,
0.3703


 32.2307, 0.3245,
0.3703


312.1688, 0.3185,
0.3480


 21.5378, 0.3260,
0.3765


 63.1726, 0.3223,
0.3617

 13.5177, 0.3280,
0.3849


 84.1903, 0.3215,
0.3587

 7.7860, 0.3307,
0.3968


 109.4185, 0.3208,
0.3561

 3.9583, 0.3342,
0.4150

139.2414, 0.3202,
0.3540

 1.6503, 0.3402,
0.4478

174.0435, 0.3197,
0.3521

 0.3911, 0.2748,
0.7252

214.2092, 0.3192,

 0.0000, 0.0000,

0.3506

0.0000

260.1228, 0.3188,
0.3492

■ 32.2307, 0.3245,
0.3703

■ 32.2307, 0.3245,
0.3703

■ 31.1836, 0.3314,
0.3977

■ 33.3890, 0.3173,
0.3446

■ 30.2396, 0.3378,
0.4263

■ 34.6576, 0.3102,
0.3208

■ 29.3962, 0.3433,
0.4551

■ 36.0415, 0.3033,
0.2992

■ 28.6492, 0.3474,
0.4832

■ 37.5437, 0.2966,
0.2796

■ 27.9938, 0.3498,
0.5091

■ 39.1674, 0.2903,
0.2620

■ 27.4250, 0.3501,
0.5315

■ 40.9154, 0.2845,
0.2463

■ 26.9368, 0.3481,
0.5493

■ 42.7906, 0.2790,
0.2323

■ 26.5211, 0.3442,
0.5621

■ 44.5740, 0.2763,
0.2227

■ 26.3854, 0.3427,
0.5661

■ 45.6334, 0.2820,
0.2244

Harmonies

Analogous

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



32.2307, 0.3460, 0.3701



32.2307, 0.3245, 0.3703



32.2307, 0.3004, 0.3582

Triad

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



32.2307, 0.3245, 0.3703



32.2307, 0.2684, 0.2977



32.2307, 0.3459, 0.3198

Complementary

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



32.2307, 0.3245, 0.3703



24.9051, 0.2993, 0.2875

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.



32.2307, 0.3240, 0.3022



32.2307, 0.3245, 0.3703



32.2307, 0.2795, 0.2894

Square

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



32.2307, 0.3245, 0.3703



32.2307, 0.2687, 0.3150



32.2307, 0.2996, 0.2912



32.2307, 0.3589, 0.3401

Rectangle

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



32.2307, 0.3245, 0.3703



32.2307, 0.2861, 0.3449



32.2307, 0.2996, 0.2912



32.2307, 0.3393, 0.3134

Sweetspot

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



32.2321, 0.3245, 0.3703



60.9288, 0.3164, 0.3412



28.7939, 0.3401, 0.3474



13.7032, 0.3168, 0.3429



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.



32.2321, 0.3245, 0.3703



57.7551, 0.3273, 0.3809



31.1339, 0.3120, 0.3719



7.5678, 0.3193, 0.3516



21.1536, 0.3432, 0.5657



0.4033, 0.3735, 0.5417

Inverse Universe

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



24.9051, 0.2993, 0.2875



41.7122, 0.2956, 0.2768



26.1120, 0.3131, 0.2892



6.5780, 0.3056, 0.3064



3.1360, 0.1972, 0.0860



0.0810, 0.2432, 0.1113

Previews

White Background



This preview shows how the Yxy color 32.2307, 0.3245, 0.3703 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 32.2307, 0.3245, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

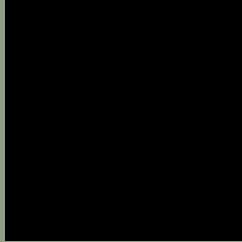
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

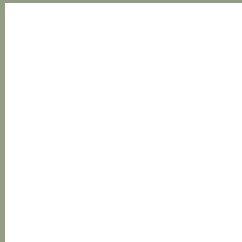
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.2307, 0.3245, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 32.2307, 0.3245, 0.3703.



This preview shows how white text looks on a background with the Yxy color 32.2307, 0.3245, 0.3703.

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

32.2307, 0.3245, 0.3703

Protanopia

32.0756, 0.3441, 0.3640

Deuteranopia

32.1311, 0.3567, 0.3494



Tritanopia

32.0784, 0.2999, 0.3109

Trichromacy



Original Color

32.2307, 0.3245, 0.3703

Protanomaly

32.1493, 0.3363, 0.3662

Deuteranomaly

32.1493, 0.3446, 0.3576

Tritanomaly

32.1322, 0.3086, 0.3321

Monochromacy



Original Color

32.2307, 0.3245, 0.3703

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5144, 0.3170, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2307, 0.3245, 0.3703 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(146, 158, 132)` looks like.

```
.text, #text, p{  
    color:rgb(146, 158, 132)  
}
```

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(146, 158, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 158, 132) }
```

Border

The CSS property to change the border of an element to Yxy 32.2307, 0.3245, 0.3703 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(146, 158, 132) }
```

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

```
.border{ border-color:rgb(146, 158, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 158, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 158, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 158, 132); box-shadow:4px 4px 4px 4px rgb(146, 158, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2307, 0.3245, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 158, 132) }
```

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

```
.background{ background-color: rgb(146,  
158, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor