

Converting Colors

$Y_{xy}(32.0632, 0.3022, 0.2774)$

Have a look what the booklet for
Yxy(32.0632, 0.3022, 0.2774)
contains.

Yxy(32.0632, 0.3022, 0.2774)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.0632, 0.3022, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	A991B6
RGB	169, 145, 182
RGB Percent	66%, 57%, 71%
CMY	0.3372, 0.4314, 0.2864
CMYK	0.07, 0.20, 0.00, 0.29
HSL	279°, 20%, 64%
HSV	279°, 20%, 71%
XYZ	34.9297, 32.0632, 48.5918
YIQ	156.3940, 2.4270, 16.5950

Conversions

Conversions Part 2

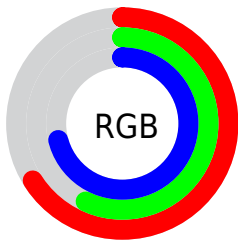
Format	Color
RYB	169, 145, 182
Decimal	11112886
CIELab	63.40, 15.92, -15.95
CIElCh	63, 22.537, 314.950
Yxy	32.0632, 0.3022, 0.2774
Android (android.graphics.Color)	4289302966 (0xFFA991B6)
YUV	156.3940, 12.6238, 11.0555
Hunter-Lab	56.6244, 11.0181, -11.2422

Details

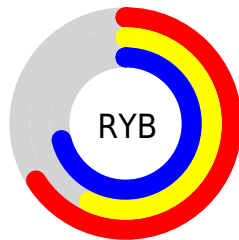
The Yxy color **32.0632, 0.3022, 0.2774** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.7588, 0.3213, 0.3823**, and the grayscale version is **33.3731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8672, 0.3041, 0.2871**, and **13.3723, 0.2988, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **26.2520, 0.2957, 0.2501**, and if you desaturate by 10%, it is **38.8025, 0.3078, 0.3036**.

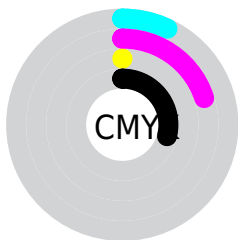
Distribution



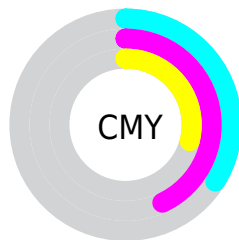
- Red (66%)
- Green (57%)
- Blue (71%)



- Red (66%)
- Yellow (57%)
- Blue (71%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (29%)





- Cyan (34%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0632, 0.3022, 0.2774 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 32.0632, 0.3022, 0.2774 by changing the saturation by 10% instead.


 32.0632, 0.3022,
0.2774

 32.0632, 0.3022,
0.2774


311.4070, 0.3081,
0.3038

 21.4098, 0.3005,
0.2706


 62.9102, 0.3045,
0.2872

 13.4239, 0.2982,
0.2618


 83.8725, 0.3053,
0.2908

 7.7211, 0.2948,
0.2499


109.0399, 0.3060,
0.2938

 3.9170, 0.2896,
0.2329

138.7968, 0.3066,
0.2964

 1.6272, 0.2807,
0.2070

173.5275, 0.3070,
0.2987

 0.3759, 0.2701,
0.1361

213.6166, 0.3074,

 0.0000, 0.0000,

0.3006

0.0000

259.4483, 0.3078,
0.3023

■ 32.0632, 0.3022,
0.2774

■ 32.0632, 0.3022,
0.2774

■ 26.2520, 0.2957,
0.2501

■ 38.8025, 0.3078,
0.3036

■ 21.3219, 0.2882,
0.2225

■ 46.5056, 0.3126,
0.3282

■ 17.2280, 0.2799,
0.1954


■ 55.2117, 0.3165,
0.3511

■ 13.9198, 0.2709,
0.1700


■ 64.9562, 0.3198,
0.3719

■ 11.3410, 0.2616,
0.1477


■ 75.7730, 0.3224,
0.3909

 9.4278, 0.2521,
0.1293

 87.6943, 0.3246,
0.4080

 8.1046, 0.2429,
0.1157

 89.1485, 0.3286,
0.4077

 7.2364, 0.2344,
0.1065

 90.1265, 0.3327,
0.4067

 91.1426, 0.3370,
0.4056

Harmonies

Analogous

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



32.0632, 0.2706, 0.2706



32.0632, 0.3022, 0.2774



32.0632, 0.3385, 0.2960

Triad

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



32.0632, 0.3022, 0.2774



32.0632, 0.3777, 0.3777



32.0632, 0.2589, 0.3318

Complementary

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



32.0632, 0.3022, 0.2774



42.7588, 0.3213, 0.3823

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.



32.0632, 0.2853, 0.3656



32.0632, 0.3022, 0.2774



32.0632, 0.3540, 0.3921

Square

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



32.0632, 0.3022, 0.2774



32.0632, 0.3835, 0.3520



32.0632, 0.3200, 0.3884



32.0632, 0.2467, 0.2995

Rectangle

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



32.0632, 0.3022, 0.2774



32.0632, 0.3602, 0.3132



32.0632, 0.3200, 0.3884



32.0632, 0.2663, 0.3435

Sweetspot

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



32.0646, 0.3022, 0.2774



76.0384, 0.3099, 0.3142



34.0429, 0.2807, 0.2945



16.5975, 0.3096, 0.3126



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.0646, 0.3022, 0.2774



53.6392, 0.2996, 0.2663



33.3713, 0.3198, 0.2857



9.0008, 0.3083, 0.3061



5.1497, 0.2353, 0.1070



0.2147, 0.2580, 0.1195

Inverse Universe

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



32.6630, 0.3388, 0.3110



54.9472, 0.3455, 0.3072



41.6674, 0.3064, 0.3766



9.0629, 0.3234, 0.3210



7.2950, 0.5541, 0.2826



0.2692, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 32.0632, 0.3022, 0.2774 looks on a white background.

Color Contrast Check

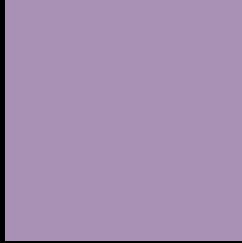
Large Text (above 18pt) WCAG AA × Fail

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 32.0632, 0.3022, 0.2774 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 32.0632, 0.3022, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 32.0632, 0.3022, 0.2774.



This preview shows how white text looks on a background with the Yxy color 32.0632, 0.3022, 0.2774.

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

32.0632, 0.3022, 0.2774

Protanopia

32.1553, 0.2769, 0.2778

Deuteranopia

32.1175, 0.2898, 0.2840



Tritanopia

32.1751, 0.3186, 0.3115

Trichromacy



Original Color

32.0632, 0.3022, 0.2774

Protanomaly

31.8677, 0.2854, 0.2771

Deuteranomaly

31.9896, 0.2944, 0.2817

Tritanomaly

32.2599, 0.3121, 0.2989

Monochromacy



Original Color

32.0632, 0.3022, 0.2774

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7502, 0.3096, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0632, 0.3022, 0.2774 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(169, 145, 182)` looks like.

```
.text, #text, p{  
    color:rgb(169, 145, 182)  
}
```

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(169, 145, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 145, 182) }
```

Border

The CSS property to change the border of an element to Yxy 32.0632, 0.3022, 0.2774 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(169, 145, 182) }
```

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

```
.border{ border-color:rgb(169, 145, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 145, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 145, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 145, 182);  
box-shadow:4px 4px 4px 4px rgb(169, 145,  
182) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.0632, 0.3022, 0.2774$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 145, 182) }
```

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

```
.background{ background-color: rgb(169,  
145, 182) }
```

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