

Converting Colors

$Y_{xy}(32.2598, 0.3122, 0.2517)$

Have a look what the booklet for
Yxy(32.2598, 0.3122, 0.2517)
contains.

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Color

Yxy(32.3444, 0.3122, 0.2525)

Conversions

Conversions Part 1

Format	Color
Hex	BF87C3
RGB	191, 135, 195
RGB Percent	75%, 53%, 76%
CMY	0.2511, 0.4705, 0.2353
CMYK	0.02, 0.31, 0.00, 0.24
HSL	296°, 33%, 65%
HSV	296°, 31%, 76%
XYZ	39.9918, 32.3444, 55.7605
YIQ	158.5840, 14.1160, 30.5320

Conversions

Conversions Part 2

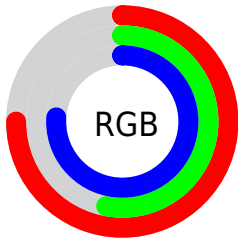
Format	Color
RYB	191, 135, 195
Decimal	12552131
CIELab	63.63, 31.45, -22.72
CIELCh	64, 38.802, 324.150
Yxy	32.3444, 0.3122, 0.2525
Android (android.graphics.Color)	4290742211 (0xFFBF87C3)
YUV	158.5840, 17.9531, 28.4288
Hunter-Lab	56.8721, 25.9927, -18.3206

Details

The Yxy color **32.3444, 0.3122, 0.2525** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.2710, 0.3116, 0.4174**, and the grayscale version is **34.3834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3799, 0.3126, 0.2660**, and **13.5821, 0.3115, 0.2313** is the 20% darker color. If you saturate the color by 10%, you get **27.2234, 0.3116, 0.2281**, and if you desaturate by 10%, it is **38.4663, 0.3126, 0.2777**.

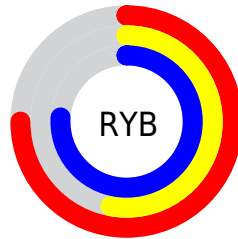
Distribution



Red (75%)

Green (53%)

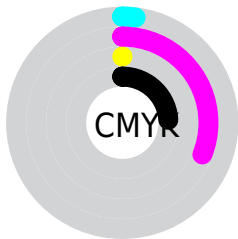
Blue (76%)



Red (75%)

Yellow (53%)

Blue (76%)

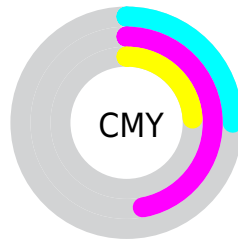


Cyan (2%)

Magenta (31%)

Yellow (0%)

Black (24%)



Cyan (25%)


Magenta (47%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3444, 0.3122, 0.2525 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 32.3444, 0.3122, 0.2525 by changing the saturation by 10% instead.


 32.3444, 0.3122,
0.2525


 32.3444, 0.3122,
0.2525


312.6851, 0.3134,
0.2906

 21.6247, 0.3116,
0.2431


 63.3506, 0.3129,
0.2663

 13.5814, 0.3106,
0.2312


 84.4059, 0.3130,
0.2715

 7.8301, 0.3090,
0.2154


 109.6752, 0.3132,
0.2759

 3.9864, 0.3061,
0.1940

139.5428, 0.3132,
0.2796

 1.6660, 0.3004,
0.1633

174.3933, 0.3133,
0.2829

 0.4015, 0.2932,
0.0991

214.6109, 0.3133,

 0.0000, 0.1059,


0.2858

0.0000


260.5800, 0.3134,
0.2883


 0.0000, 0.0000,
0.0000


 32.3444, 0.3122,
0.2525

 32.3444, 0.3122,
0.2525


 27.2234, 0.3116,
0.2281


 38.4663, 0.3126,
0.2777


 23.0446, 0.3108,
0.2055


 45.6351, 0.3127,
0.3028

 19.7497, 0.3098,
0.1856


 53.8991, 0.3127,
0.3272


 17.2722, 0.3086,
0.1692


 63.3026, 0.3126,
0.3504

 15.5363, 0.3071,
0.1570


 73.8870, 0.3124,
0.3722


 14.4520, 0.3056,
0.1491

 85.6920, 0.3121,
0.3923

 13.8703, 0.3040,
0.1449

 87.7584, 0.3127,
0.3951

 87.9399, 0.3135,
0.3949

 88.1229, 0.3144,
0.3948

Harmonies

Analogous

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



32.3444, 0.2558, 0.2350



32.3444, 0.3122, 0.2525



32.3444, 0.3745, 0.2862

Triad

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



32.3444, 0.3122, 0.2525



32.3444, 0.4119, 0.4187



32.3444, 0.2144, 0.3127

Complementary

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



32.3444, 0.3122, 0.2525



46.2710, 0.3116, 0.4174

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.



32.3444, 0.2496, 0.3757



32.3444, 0.3122, 0.2525



32.3444, 0.3633, 0.4406

Square

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



32.3444, 0.3122, 0.2525



32.3444, 0.4346, 0.3772



32.3444, 0.3038, 0.4264



32.3444, 0.2039, 0.2635

Rectangle

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



32.3444, 0.3122, 0.2525



32.3444, 0.4087, 0.3148



32.3444, 0.3038, 0.4264



32.3444, 0.2235, 0.3332

Sweetspot

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



32.3458, 0.3122, 0.2525



83.9948, 0.3127, 0.3068



27.8553, 0.2597, 0.2475



17.9400, 0.3127, 0.3031



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.3458, 0.3122, 0.2525



51.4914, 0.3118, 0.2357



31.8385, 0.3418, 0.2832



10.2119, 0.3127, 0.3062



9.0304, 0.3043, 0.1450



0.4007, 0.3082, 0.1472

Inverse Universe

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



30.8017, 0.3767, 0.3237



48.3193, 0.3974, 0.3226



46.7185, 0.2916, 0.3799



10.0886, 0.3279, 0.3275



7.5645, 0.6317, 0.3254



0.3307, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 32.3444, 0.3122, 0.2525 looks on a white background.

Color Contrast Check

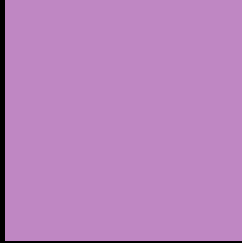
Large Text (above 18pt) WCAG AA × Fail

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 32.3444, 0.3122, 0.2525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

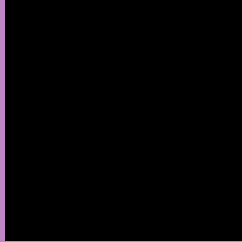
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3444, 0.3122, 0.2525

Background



This preview shows how black text looks on a background with the Yxy color 32.3444, 0.3122, 0.2525.



This preview shows how white text looks on a background with the Yxy color 32.3444, 0.3122, 0.2525.

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

32.3444, 0.3122, 0.2525

Protanopia

32.4995, 0.2559, 0.2501

Deuteranopia

32.4230, 0.2764, 0.2703



Tritanopia

32.2923, 0.3466, 0.3139

Trichromacy



Original Color

32.3444, 0.3122, 0.2525

Protanomaly

32.1387, 0.2744, 0.2508

Deuteranomaly

32.1004, 0.2887, 0.2628

Tritanomaly

32.1855, 0.3336, 0.2899

Monochromacy



Original Color

32.3444, 0.3122, 0.2525

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.4492, 0.3132, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3444, 0.3122, 0.2525 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(191, 135, 195)` looks like.

```
.text, #text, p{  
    color:rgb(191, 135, 195)  
}
```

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(191, 135, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 135, 195) }
```

Border

The CSS property to change the border of an element to Yxy 32.3444, 0.3122, 0.2525 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(191, 135, 195) }
```

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

```
.border{ border-color:rgb(191, 135, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 135, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 135, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 135, 195);  
box-shadow:4px 4px 4px 4px rgb(191, 135,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3444, 0.3122, 0.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 135, 195) }
```

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

```
.background{ background-color: rgb(191,  
135, 195) }
```

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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