

Converting Colors

$Y_{xy}(31.3702, 0.2822, 0.2615)$

Have a look what the booklet for
Yxy(31.3702, 0.2822, 0.2615)
contains.

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Color

Yxy(31.3702, 0.2822, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	9E91C1
RGB	158, 145, 193
RGB Percent	62%, 57%, 76%
CMY	0.3804, 0.4314, 0.2430
CMYK	0.18, 0.25, 0.00, 0.24
HSL	256°, 28%, 66%
HSV	256°, 25%, 76%
XYZ	33.8534, 31.3702, 54.7389
YIQ	154.3590, -7.6600, 17.6840

Conversions

Conversions Part 2

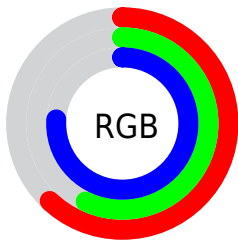
Format	Color
R_{YB}	158, 145, 193
Decimal	10392001
CIE _{Lab}	62.82, 14.69, -23.13
CIE _{LCh}	63, 27.403, 302.413
Yxy	31.3702, 0.2822, 0.2615
Android (android.graphics.Color)	4288582081 (0xFF9E91C1)
YUV	154.3590, 19.0500, 3.1932
Hunter-Lab	56.0091, 9.8743, -18.7390

Details

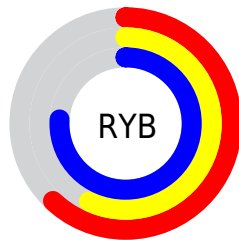
The Yxy color **31.3702, 0.2822, 0.2615** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.9039, 0.3385, 0.3927**, and the grayscale version is **32.3989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8951, 0.2882, 0.2739**, and **13.1127, 0.2722, 0.2429** is the 20% darker color. If you saturate the color by 10%, you get **24.6181, 0.2670, 0.2303**, and if you desaturate by 10%, it is **39.2907, 0.2957, 0.2906**.

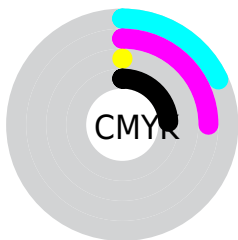
Distribution



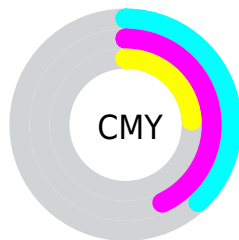
- Red (62%)
- Green (57%)
- Blue (76%)



- Red (62%)
- Yellow (57%)
- Blue (76%)



- Cyan (18%)
- Magenta (25%)
- Yellow (0%)
- Black (24%)



- Cyan (38%)
- Magenta (43%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3702, 0.2822, 0.2615 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 31.3702, 0.2822, 0.2615 by changing the saturation by 10% instead.

■ 31.3702, 0.2822,
0.2615

■ 31.3702, 0.2822,
0.2615

308.2402, 0.2987,
0.2960

■ 20.8809, 0.2777,
0.2527

■ 61.8224, 0.2885,
0.2742

■ 13.0370, 0.2717,
0.2414

■ 82.5542, 0.2907,
0.2789

■ 7.4540, 0.2633,
0.2263

107.4689, 0.2926,
0.2828

■ 3.7476, 0.2509,
0.2051

136.9509, 0.2942,
0.2862

■ 1.5334, 0.2309,
0.1737

171.3846, 0.2956,
0.2892

■ 0.3121, 0.1983,
0.0944

211.1545, 0.2968,

■ 0.0000, 0.0000,

0.2917

0.0000

256.6449, 0.2978,
0.2940

■ 31.3702, 0.2822,
0.2615

■ 31.3702, 0.2822,
0.2615

■ 24.6181, 0.2670,
0.2303

■ 39.2907, 0.2957,
0.2906

■ 18.9744, 0.2505,
0.1980

■ 48.4280, 0.3075,
0.3171

■ 14.3795, 0.2330,
0.1657

■ 58.8325, 0.3177,
0.3408

■ 10.7665, 0.2153,
0.1354

■ 70.5505, 0.3265,
0.3620

■ 8.0608, 0.1985,
0.1089

■ 83.6261, 0.3339,
0.3806

■ 6.1762, 0.1837,
0.0882

■ 94.3327, 0.3412,
0.3917

■ 5.0094, 0.1716,
0.0743

■ 96.6315, 0.3496,
0.3899

■ 4.5878, 0.1665,
0.0691

Harmonies

Analogous

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



31.3702, 0.2495, 0.2598



31.3702, 0.2822, 0.2615



31.3702, 0.3255, 0.2784

Triad

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



31.3702, 0.2822, 0.2615



31.3702, 0.3983, 0.3754



31.3702, 0.2587, 0.3502

Complementary

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



31.3702, 0.2822, 0.2615



49.9039, 0.3385, 0.3927

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.



31.3702, 0.2958, 0.3888



31.3702, 0.2822, 0.2615



31.3702, 0.3770, 0.4008

Square

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



31.3702, 0.2822, 0.2615



31.3702, 0.3952, 0.3412



31.3702, 0.3392, 0.4074



31.3702, 0.2366, 0.3076

Rectangle

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



31.3702, 0.2822, 0.2615



31.3702, 0.3547, 0.2963



31.3702, 0.3392, 0.4074



31.3702, 0.2697, 0.3644

Sweetspot

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



31.3715, 0.2822, 0.2615



82.8673, 0.3051, 0.3114



42.6032, 0.2750, 0.3110



17.5581, 0.3044, 0.3098



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.3715, 0.2822, 0.2615



49.1597, 0.2739, 0.2443



34.0260, 0.3047, 0.2658



9.8769, 0.3024, 0.3055



3.0848, 0.1676, 0.0697



0.1685, 0.1926, 0.0835

Inverse Universe

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



34.8889, 0.3280, 0.2835



56.6296, 0.3323, 0.2730



47.2854, 0.3184, 0.3969



10.1995, 0.3178, 0.3124



8.8293, 0.4027, 0.1992



0.3925, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 31.3702, 0.2822, 0.2615 looks on a white background.

Color Contrast Check

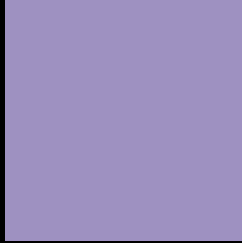
Large Text (above 18pt) WCAG AA × Fail

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 31.3702, 0.2822, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

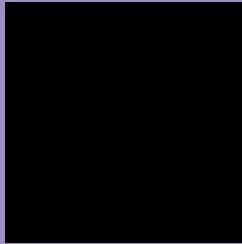
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3702, 0.2822, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 31.3702, 0.2822, 0.2615.



This preview shows how white text looks on a background with the Yxy color 31.3702, 0.2822, 0.2615.

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

31.3702, 0.2822, 0.2615

Protanopia

31.4194, 0.2640, 0.2609

Deuteranopia

31.4117, 0.2727, 0.2667



Tritanopia

31.5499, 0.3036, 0.3109

Trichromacy



Original Color

31.3702, 0.2822, 0.2615

Protanomaly

31.3684, 0.2704, 0.2603

Deuteranomaly

31.4696, 0.2761, 0.2659

Tritanomaly

31.5194, 0.2958, 0.2922

Monochromacy



Original Color

31.3702, 0.2822, 0.2615

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.9289, 0.3011, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3702, 0.2822, 0.2615 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(158, 145, 193)` looks like.

```
.text, #text, p{  
    color:rgb(158, 145, 193)  
}
```

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(158, 145, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 145, 193) }
```

Border

The CSS property to change the border of an element to Yxy 31.3702, 0.2822, 0.2615 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(158, 145, 193) }
```

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

```
.border{ border-color:rgb(158, 145, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 145, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 145, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 145, 193);  
box-shadow:4px 4px 4px 4px rgb(158, 145,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3702, 0.2822, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 145, 193) }
```

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

```
.background{ background-color: rgb(158,  
145, 193) }
```

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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