

Converting Colors

$Y_{xy}(10.2712, 0.3173, 0.2132)$

Have a look what the booklet for
Yxy(10.2712, 0.3173, 0.2132)
contains.

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Color

Yxy(10.2809, 0.3165, 0.2134)

Conversions

Conversions Part 1

Format	Color
Hex	824283
RGB	130, 66, 131
RGB Percent	51%, 26%, 51%
CMY	0.4903, 0.7411, 0.4863
CMYK	0.01, 0.50, 0.00, 0.49
HSL	299°, 33%, 39%
HSV	299°, 50%, 51%
XYZ	15.2479, 10.2809, 22.6478
YIQ	92.5460, 17.2790, 33.7830

Conversions

Conversions Part 2

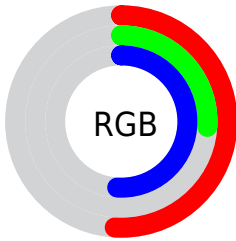
Format	Color
R_{YB}	130, 66, 131
Decimal	8536707
CIE Lab	38.34, 37.45, -24.81
CIE LCh	38, 44.921, 326.479
Yxy	10.2809, 0.3165, 0.2134
Android (android.graphics.Color)	4286726787 (0xFF824283)
YUV	92.5460, 18.9578, 32.8472
Hunter-Lab	32.0638, 28.7737, -19.4340

Details

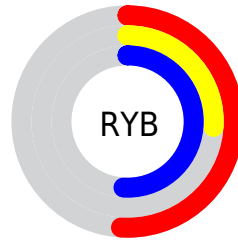
The Yxy color **10.2809, 0.3165, 0.2134** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.8160, 0.3066, 0.4786**, and the grayscale version is **10.7883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1418, 0.3169, 0.2390**, and **2.5844, 0.3120, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **8.9057, 0.3170, 0.1942**, and if you desaturate by 10%, it is **12.0076, 0.3159, 0.2351**.

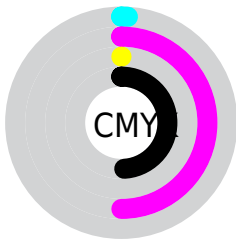
Distribution



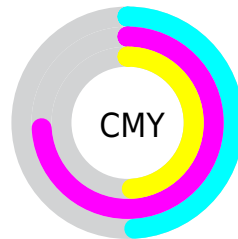
- Red (51%)
- Green (26%)
- Blue (51%)



- Red (51%)
- Yellow (26%)
- Blue (51%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (49%)





- Cyan (49%)
- Magenta (74%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2809, 0.3165, 0.2134 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 10.2809, 0.3165, 0.2134 by changing the saturation by 10% instead.


 10.2809, 0.3165,
0.2134

 10.2809, 0.3165,
0.2134


192.6653, 0.3163,
0.2793


 5.5856, 0.3153,
0.1940


 26.3225, 0.3171,
0.2395


 2.5948, 0.3126,
0.1672

 38.4376, 0.3171,
0.2486


 0.9240, 0.3060,
0.1289

 53.7948, 0.3170,
0.2561

 0.0000, 0.3090,
0.0000

 72.7784, 0.3169,
0.2623

 0.0000, 0.0000,
0.0000

 95.7729, 0.3168,
0.2675

123.1626, 0.3166,

0.2720

155.3319, 0.3165,
0.2759

■ 10.2809, 0.3165,
0.2134

■ 10.2809, 0.3165,
0.2134

■ 8.9057, 0.3170,
0.1942

■ 12.0076, 0.3159,
0.2351

■ 7.8565, 0.3173,
0.1782

■ 14.1065, 0.3152,
0.2584

■ 7.1062, 0.3174,
0.1660

■ 16.5981, 0.3144,
0.2824

■ 6.6232, 0.3174,
0.1577

■ 19.5011, 0.3135,
0.3065

■ 6.3147, 0.3172,
0.1523

■ 22.8332, 0.3127,
0.3299

■ 6.3026, 0.3172,
0.1521

■ 26.6108, 0.3118,
0.3523

■ 30.8495, 0.3110,
0.3734

■ 35.5642, 0.3103,
0.3930

■ 40.7692, 0.3095,
0.4110

Harmonies

Analogous

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



10.2809, 0.2254, 0.1854



10.2809, 0.3165, 0.2134



10.2809, 0.4235, 0.2635

Triad

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



10.2809, 0.3165, 0.2134



10.2809, 0.4603, 0.4675



10.2809, 0.1549, 0.2868

Complementary

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



10.2809, 0.3165, 0.2134



17.8160, 0.3066, 0.4786

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.



10.2809, 0.2012, 0.4003



10.2809, 0.3165, 0.2134



10.2809, 0.3767, 0.5183

Square

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



10.2809, 0.3165, 0.2134



10.2809, 0.5099, 0.3967



10.2809, 0.2823, 0.5009



10.2809, 0.1456, 0.2144

Rectangle

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



10.2809, 0.3165, 0.2134



10.2809, 0.4809, 0.3049



10.2809, 0.2823, 0.5009



10.2809, 0.1660, 0.3212

Sweetspot

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



10.2814, 0.3165, 0.2134



31.8502, 0.3140, 0.2927



6.8236, 0.2227, 0.1818



7.2020, 0.3142, 0.2883



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



10.2814, 0.3165, 0.2134



15.5749, 0.3170, 0.1911



9.6348, 0.3741, 0.2653



4.7593, 0.3135, 0.3076



6.2057, 0.3172, 0.1521



0.0218, 0.3192, 0.1532

Inverse Universe

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



9.1282, 0.4420, 0.3275



13.2578, 0.4927, 0.3274



18.2583, 0.2782, 0.4051



4.6898, 0.3277, 0.3287



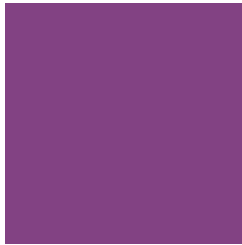
4.7542, 0.6376, 0.3286



0.0165, 0.6264, 0.3224

Previews

White Background



This preview shows how the Yxy color 10.2809, 0.3165, 0.2134 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.2809, 0.3165, 0.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2809, 0.3165, 0.2134

Background



This preview shows how black text looks on a background with the Yxy color 10.2809, 0.3165, 0.2134.



This preview shows how white text looks on a background with the Yxy color 10.2809, 0.3165, 0.2134.

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

10.2809, 0.3165, 0.2134

Protanopia

10.5050, 0.2173, 0.2016

Deuteranopia

10.5069, 0.2505, 0.2457



Tritanopia

10.3584, 0.3879, 0.3190

Trichromacy



Original Color

10.2809, 0.3165, 0.2134

Protanomaly

9.9919, 0.2438, 0.2027

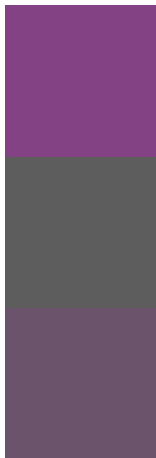
Deuteranomaly

10.0400, 0.2721, 0.2300

Tritanomaly

10.2533, 0.3615, 0.2776

Monochromacy



Original Color

10.2809, 0.3165, 0.2134

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.3122, 0.3135, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2809, 0.3165, 0.2134 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(130, 66, 131)` looks like.

```
.text, #text, p{  
    color:rgb(130, 66, 131)  
}
```

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(130, 66, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 66, 131) }
```

Border

The CSS property to change the border of an element to Yxy 10.2809, 0.3165, 0.2134 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(130, 66, 131) }
```

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

```
.border{ border-color:rgb(130, 66, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 66, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 66, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 66, 131);  
box-shadow:4px 4px 4px 4px rgb(130, 66,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2809, 0.3165, 0.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 66, 131) }
```

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

```
.background{ background-color: rgb(130, 66,  
131) }
```

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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