

Converting Colors

$Y_{xy}(24.6955, 0.2960, 0.1906)$

Have a look what the booklet for
Yxy(24.6955, 0.2960, 0.1906)
contains.

Yxy(24.7419, 0.2965, 0.1910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.7419, 0.2965, 0.1910)

Conversions

Conversions Part 1

Format	Color
Hex	C161D6
RGB	193, 97, 214
RGB Percent	76%, 38%, 84%
CMY	0.2431, 0.6196, 0.1607
CMYK	0.10, 0.55, 0.00, 0.16
HSL	289°, 59%, 61%
HSV	289°, 55%, 84%
XYZ	38.4082, 24.7419, 66.3886
YIQ	139.0420, 19.6590, 56.7390

Conversions

Conversions Part 2

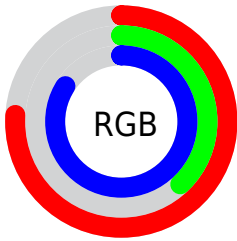
Format	Color
R _{YB}	193, 97, 214
Decimal	12673494
CIE _{Lab}	56.82, 55.76, -44.04
CIE _{LCh}	57, 71.055, 321.703
Yxy	24.7419, 0.2965, 0.1910
Android (android.graphics.Color)	4290863574 (0xFFC161D6)
YUV	139.0420, 36.9543, 47.3212
Hunter-Lab	49.7412, 50.7836, -44.3143

Details

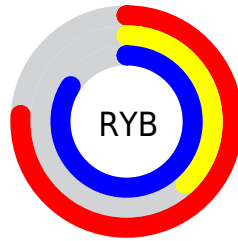
The Yxy color **24.7419, 0.2965, 0.1910** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.8234, 0.3171, 0.4972**, and the grayscale version is **25.6854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0487, 0.3149, 0.2276**, and **9.4775, 0.2872, 0.1564** is the 20% darker color. If you saturate the color by 10%, you get **20.8086, 0.2921, 0.1701**, and if you desaturate by 10%, it is **29.7571, 0.3005, 0.2147**.

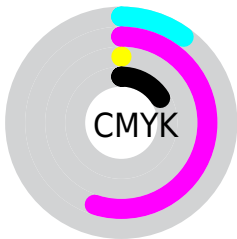
Distribution



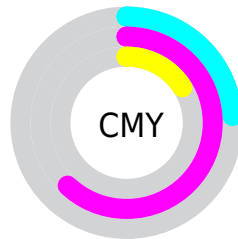
- Red (76%)
- Green (38%)
- Blue (84%)



- Red (76%)
- Yellow (38%)
- Blue (84%)



- Cyan (10%)
- Magenta (55%)
- Yellow (0%)
- Black (16%)




- Cyan (24%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7419, 0.2965, 0.1910 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 24.7419, 0.2965, 0.1910 by changing the saturation by 10% instead.


 24.7419, 0.2965,
0.1910


 24.7419, 0.2965,
0.1910


276.5501, 0.3080,
0.2576


 15.8849, 0.2926,
0.1755


 51.2382, 0.3015,
0.2144

 9.4427, 0.2870,
0.1565


 69.6463, 0.3031,
0.2235

 5.0311, 0.2787,
0.1328


 92.0068, 0.3044,
0.2312

 2.2655, 0.2656,
0.1031

 118.7042, 0.3054,
0.2379

 0.7554, 0.2436,
0.0661

150.1228, 0.3063,
0.2438

 0.0000, 0.2090,
0.0000

186.6471, 0.3069,

 0.0000, 0.0000,

0.2490

0.0000

228.6614, 0.3075,
0.2536

■ 24.7419, 0.2965,
0.1910

■ 24.7419, 0.2965,
0.1910

■ 20.8086, 0.2921,
0.1701

■ 29.7571, 0.3005,
0.2147

■ 17.8661, 0.2874,
0.1530

■ 35.9294, 0.3041,
0.2402

■ 15.8132, 0.2826,
0.1403

■ 43.3308, 0.3072,
0.2664

■ 14.5256, 0.2779,
0.1322

■ 52.0266, 0.3098,
0.2924

■ 14.0380, 0.2754,
0.1291

■ 62.0772, 0.3119,
0.3176

■ 73.5396, 0.3136,
0.3415

■ 86.4672, 0.3149,
0.3638

■ 92.1859, 0.3168,
0.3717

■ 92.8064, 0.3192,
0.3713

Harmonies

Analogous

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



24.7419, 0.1990, 0.1645



24.7419, 0.2965, 0.1910



24.7419, 0.4229, 0.2427

Triad

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



24.7419, 0.2965, 0.1910



24.7419, 0.4892, 0.4674



24.7419, 0.1379, 0.2947

Complementary

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



24.7419, 0.2965, 0.1910



52.8234, 0.3171, 0.4972

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.



24.7419, 0.1942, 0.4372



24.7419, 0.2965, 0.1910



24.7419, 0.3958, 0.5413

Square

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



24.7419, 0.2965, 0.1910



24.7419, 0.5428, 0.3852



24.7419, 0.2894, 0.5475



24.7419, 0.1237, 0.2048

Rectangle

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



24.7419, 0.2965, 0.1910



24.7419, 0.4968, 0.2867



24.7419, 0.2894, 0.5475



24.7419, 0.1516, 0.3382

Sweetspot

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



24.7430, 0.2965, 0.1910



75.3108, 0.3094, 0.2886



20.4607, 0.2138, 0.1853



15.5226, 0.3089, 0.2832



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.



24.7430, 0.2965, 0.1910



29.9582, 0.2912, 0.1664



26.0218, 0.3616, 0.2356



12.5147, 0.3109, 0.3058



8.5239, 0.2761, 0.1295



0.5443, 0.2843, 0.1340

Inverse Universe

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



24.1571, 0.4445, 0.3043



29.3107, 0.4927, 0.3019



52.3716, 0.2855, 0.4492



12.4569, 0.3263, 0.3248



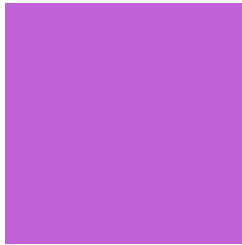
8.7384, 0.6115, 0.3142



0.5383, 0.5653, 0.2888

Previews

White Background



This preview shows how the Yxy color 24.7419, 0.2965, 0.1910 looks on a white background.

Color Contrast Check

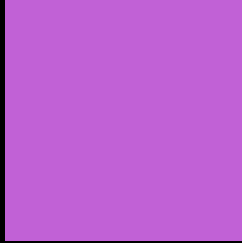
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.7419, 0.2965, 0.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

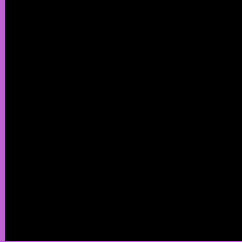
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7419, 0.2965, 0.1910

Background



This preview shows how black text looks on a background with the Yxy color 24.7419, 0.2965, 0.1910.



This preview shows how white text looks on a background with the Yxy color 24.7419, 0.2965, 0.1910.

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

24.7419, 0.2965, 0.1910

Protanopia

25.2398, 0.1968, 0.1739

Deuteranopia

24.9969, 0.2268, 0.2209



Tritanopia

24.5759, 0.3801, 0.3162

Trichromacy



Original Color

24.7419, 0.2965, 0.1910



Protanomaly

23.5687, 0.2205, 0.1747



Deuteranomaly

23.8065, 0.2465, 0.2042



Tritanomaly

24.1864, 0.3476, 0.2631

Monochromacy



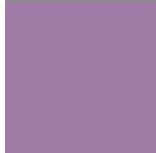
Original Color

24.7419, 0.2965, 0.1910



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.5394, 0.3078, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7419, 0.2965, 0.1910 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(193, 97, 214)` looks like.

```
.text, #text, p{  
    color:rgb(193, 97, 214)  
}
```

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(193, 97, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 97, 214) }
```

Border

The CSS property to change the border of an element to Yxy 24.7419, 0.2965, 0.1910 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(193, 97, 214) }
```

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

```
.border{ border-color:rgb(193, 97, 214) }
```

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

Here you see how a box with a 4 pixel rgb(193, 97, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 97, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 97, 214);  
box-shadow:4px 4px 4px 4px rgb(193, 97,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7419, 0.2965, 0.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 97, 214) }
```

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

```
.background{ background-color: rgb(193, 97,  
214) }
```

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