

Converting Colors

$Y_{xy}(24.2493, 0.2838, 0.1696)$

Have a look what the booklet for
Yxy(24.2493, 0.2838, 0.1696)
contains.

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Color

Yxy(24.1609, 0.2837, 0.1692)

Conversions

Conversions Part 1

Format	Color
Hex	C456E7
RGB	196, 86, 231
RGB Percent	77%, 34%, 91%
CMY	0.2315, 0.6626, 0.0942
CMYK	0.15, 0.63, 0.00, 0.09
HSL	286°, 75%, 62%
HSV	286°, 63%, 91%
XYZ	40.5109, 24.1609, 78.1231
YIQ	135.4200, 19.0150, 68.4150

Conversions

Conversions Part 2

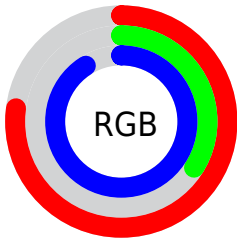
Format	Color
R_{YB}	196, 86, 231
Decimal	12867303
CIE _{Lab}	56.25, 64.87, -54.48
CIE _{LCh}	56, 84.711, 319.973
Yxy	24.1609, 0.2837, 0.1692
Android (android.graphics.Color)	4291057383 (0xFFC456E7)
YUV	135.4200, 47.1209, 53.1287
Hunter-Lab	49.1537, 61.0949, -59.8257

Details

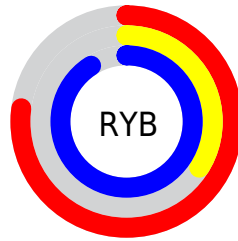
The Yxy color **24.1609, 0.2837, 0.1692** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **61.8874, 0.3211, 0.5210**, and the grayscale version is **24.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **9.1112, 0.2686, 0.1321** is the 20% darker color. If you saturate the color by 10%, you get **20.3148, 0.2772, 0.1501**, and if you desaturate by 10%, it is **29.2283, 0.2899, 0.1919**.

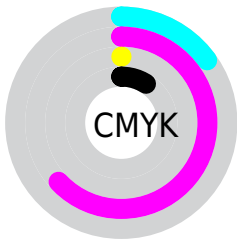
Distribution



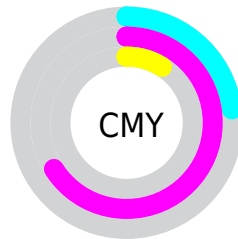
- Red (77%)
- Green (34%)
- Blue (91%)



- Red (77%)
- Yellow (34%)
- Blue (91%)



- Cyan (15%)
- Magenta (63%)
- Yellow (0%)
- Black (9%)





- Cyan (23%)
- Magenta (66%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1609, 0.2837, 0.1692 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 24.1609, 0.2837, 0.1692 by changing the saturation by 10% instead.


 24.1609, 0.2837,
0.1692

 24.1609, 0.2837,
0.1692


273.6329, 0.3027,
0.2441


 15.4530, 0.2778,
0.1526


 50.2926, 0.2915,
0.1949

 9.1379, 0.2697,
0.1328


 68.4853, 0.2942,
0.2050

 4.8313, 0.2581,
0.1089


 90.6083, 0.2964,
0.2138

 2.1486, 0.2409,
0.0803

 117.0461, 0.2981,
0.2214

 0.6918, 0.2143,
0.0469

148.1831, 0.2996,
0.2281

 0.0000, 0.1740,
0.0000

184.4036, 0.3008,


 0.0000, 0.0481,


0.2340


0.0000

226.0921, 0.3018,
0.2393


 0.0000, 0.0000,
0.0000


 24.1609, 0.2837,
0.1692

 24.1609, 0.2837,
0.1692


 20.3148, 0.2772,
0.1501


 29.2283, 0.2899,
0.1919

 17.5670, 0.2706,
0.1353


 35.6180, 0.2956,
0.2172

 15.7740, 0.2642,
0.1253

 43.4238, 0.3007,
0.2438


 14.9061, 0.2596,
0.1204


 52.7300, 0.3051,
0.2707

 63.6141, 0.3088,
0.2971

 76.1484, 0.3120,
0.3223

 90.4007, 0.3145,
0.3460

 95.9216, 0.3176,
0.3529

 96.9164, 0.3211,
0.3527

Harmonies

Analogous

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



24.1609, 0.1763, 0.1421



24.1609, 0.2837, 0.1692



24.1609, 0.4343, 0.2242

Triad

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



24.1609, 0.2837, 0.1692



24.1609, 0.5124, 0.4692



24.1609, 0.1143, 0.2916

Complementary

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



24.1609, 0.2837, 0.1692



61.8874, 0.3211, 0.5210

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.



24.1609, 0.1760, 0.4719



24.1609, 0.2837, 0.1692



24.1609, 0.4029, 0.5680

Square

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



24.1609, 0.2837, 0.1692



24.1609, 0.5792, 0.3757



24.1609, 0.2832, 0.6004



24.1609, 0.0995, 0.1865

Rectangle

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



24.1609, 0.2837, 0.1692



24.1609, 0.5257, 0.2714



24.1609, 0.2832, 0.6004



24.1609, 0.1289, 0.3456

Sweetspot

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



24.1619, 0.2837, 0.1692



70.7356, 0.3065, 0.2804



21.7340, 0.2013, 0.1732



14.3365, 0.3054, 0.2728



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.



24.1619, 0.2837, 0.1692



24.3858, 0.2755, 0.1457



27.5764, 0.3600, 0.2153



14.4307, 0.3099, 0.3056



8.4175, 0.2606, 0.1209



0.6642, 0.2698, 0.1260

Inverse Universe

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



25.0290, 0.4642, 0.2924



26.0232, 0.5140, 0.2916



60.5387, 0.2881, 0.4852



14.4248, 0.3255, 0.3233



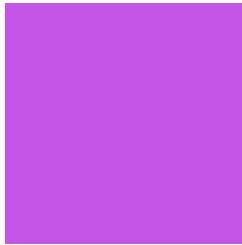
9.6995, 0.5950, 0.3052



0.7311, 0.5538, 0.2825

Previews

White Background



This preview shows how the Yxy color 24.1609, 0.2837, 0.1692 looks on a white background.

Color Contrast Check

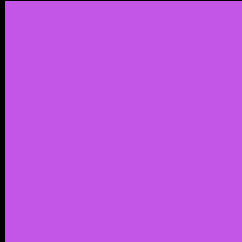
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1609, 0.2837, 0.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

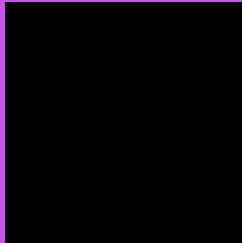
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1609, 0.2837, 0.1692

Background



This preview shows how black text looks on a background with the Yxy color 24.1609, 0.2837, 0.1692.

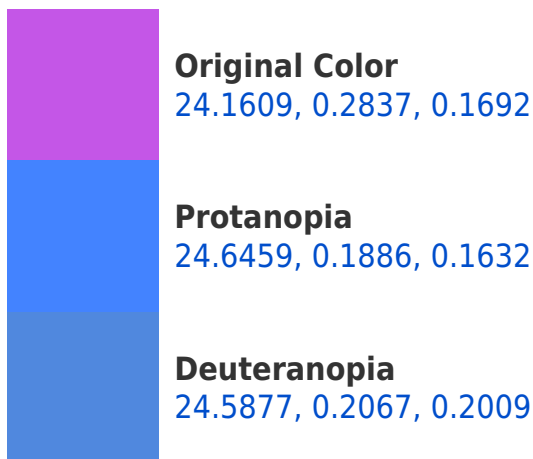


This preview shows how white text looks on a background with the Yxy color 24.1609, 0.2837, 0.1692.

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





Tritanopia

24.0527, 0.3836, 0.3162

Trichromacy



Original Color

24.1609, 0.2837, 0.1692



Protanomaly

22.4927, 0.2089, 0.1582



Deuteranomaly

22.5307, 0.2253, 0.1806



Tritanomaly

23.4275, 0.3434, 0.2506

Monochromacy



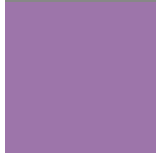
Original Color

24.1609, 0.2837, 0.1692



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7930, 0.3015, 0.2497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1609, 0.2837, 0.1692 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(196, 86, 231)` looks like.

```
.text, #text, p{  
    color:rgb(196, 86, 231)  
}
```

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(196, 86, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 86, 231) }
```

Border

The CSS property to change the border of an element to Yxy 24.1609, 0.2837, 0.1692 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(196, 86, 231) }
```

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

```
.border{ border-color:rgb(196, 86, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 86, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 86, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 86, 231);  
box-shadow:4px 4px 4px 4px rgb(196, 86,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1609, 0.2837, 0.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 86, 231) }
```

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

```
.background{ background-color: rgb(196, 86,  
231) }
```

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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