

Converting Colors

$Y_{xy}(24.2813, 0.2857, 0.2165)$

Have a look what the booklet for
Yxy(24.2813, 0.2857, 0.2165)
contains.

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Color

Yxy(24.2813, 0.2857, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	A772C5
RGB	167, 114, 197
RGB Percent	65%, 45%, 77%
CMY	0.3449, 0.5531, 0.2274
CMYK	0.15, 0.42, 0.00, 0.23
HSL	278°, 42%, 61%
HSV	278°, 42%, 77%
XYZ	32.0423, 24.2813, 55.8302
YIQ	139.3090, 4.9450, 37.0490

Conversions

Conversions Part 2

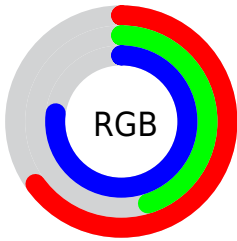
Format	Color
R _{YB}	167, 114, 197
Decimal	10973893
CIE _{Lab}	56.37, 36.06, -35.31
CIE _{LCh}	56, 50.463, 315.603
Y _{xy}	24.2813, 0.2857, 0.2165
Android (android.graphics.Color)	4289163973 (0xFFA772C5)
YUV	139.3090, 28.4417, 24.2850
Hunter-Lab	49.2761, 29.8386, -32.6828

Details

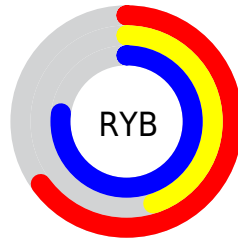
The Yxy color **24.2813, 0.2857, 0.2165** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.0764, 0.3293, 0.4494**, and the grayscale version is **25.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4812, 0.2919, 0.2372**, and **9.1607, 0.2731, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **19.5544, 0.2769, 0.1894**, and if you desaturate by 10%, it is **30.0098, 0.2936, 0.2444**.

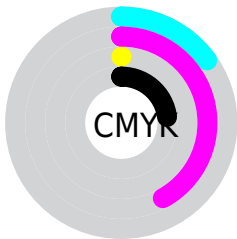
Distribution



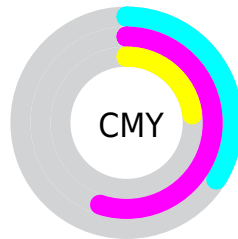
- Red (65%)
- Green (45%)
- Blue (77%)



- Red (65%)
- Yellow (45%)
- Blue (77%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (23%)





- Cyan (34%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2813, 0.2857, 0.2165 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 24.2813, 0.2857, 0.2165 by changing the saturation by 10% instead.


 24.2813, 0.2857,
0.2165


 24.2813, 0.2857,
0.2165


274.2396, 0.3019,
0.2732


 15.5424, 0.2808,
0.2025


 50.4889, 0.2923,
0.2371

 9.2009, 0.2739,
0.1847


 68.7263, 0.2945,
0.2448

 4.8725, 0.2638,
0.1617


 90.8988, 0.2964,
0.2514

 2.1726, 0.2482,
0.1310

 117.3906, 0.2979,
0.2570

 0.7050, 0.2221,
0.0886

148.5862, 0.2991,
0.2619

 0.0000, 0.1677,
0.0000

184.8700, 0.3002,

 0.0000, 0.0000,

0.2661

0.0000

226.6263, 0.3011,
0.2699

■ 24.2813, 0.2857,
0.2165

■ 24.2813, 0.2857,
0.2165

■ 19.5544, 0.2769,
0.1894

■ 30.0098, 0.2936,
0.2444

■ 15.7633, 0.2676,
0.1643

■ 36.7942, 0.3006,
0.2721

■ 12.8390, 0.2578,
0.1424


■ 44.6881, 0.3066,
0.2987

■ 10.7014, 0.2481,
0.1248


■ 53.7408, 0.3117,
0.3238


■ 9.2545, 0.2387,
0.1121

■ 63.9984, 0.3160,
0.3471

 8.4638, 0.2317,
0.1050

 75.5047, 0.3195,
0.3684

 88.3010, 0.3224,
0.3878

 91.3853, 0.3266,
0.3899

 92.5440, 0.3313,
0.3890

Harmonies

Analogous

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



24.2813, 0.2159, 0.1999



24.2813, 0.2857, 0.2165



24.2813, 0.3750, 0.2549

Triad

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



24.2813, 0.2857, 0.2165



24.2813, 0.4622, 0.4320



24.2813, 0.1871, 0.3272

Complementary

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



24.2813, 0.2857, 0.2165



47.0764, 0.3293, 0.4494

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.



24.2813, 0.2413, 0.4233



24.2813, 0.2857, 0.2165



24.2813, 0.4000, 0.4809

Square

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



24.2813, 0.2857, 0.2165



24.2813, 0.4851, 0.3700



24.2813, 0.3193, 0.4857



24.2813, 0.1659, 0.2503

Rectangle

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



24.2813, 0.2857, 0.2165



24.2813, 0.4309, 0.2897



24.2813, 0.3193, 0.4857



24.2813, 0.2016, 0.3592

Sweetspot

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



24.2823, 0.2857, 0.2165



78.4452, 0.3060, 0.2960



27.6817, 0.2427, 0.2483



16.0848, 0.3047, 0.2901



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.



24.2823, 0.2857, 0.2165



35.2976, 0.2773, 0.1904



27.4434, 0.3294, 0.2385



10.6179, 0.3081, 0.3058



5.6145, 0.2328, 0.1056



0.3056, 0.2514, 0.1159

Inverse Universe

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



25.9120, 0.3805, 0.2894



38.8877, 0.4046, 0.2810



44.9968, 0.2998, 0.4407



10.6991, 0.3234, 0.3207



8.1220, 0.5512, 0.2810



0.3984, 0.4933, 0.2491

Previews

White Background



This preview shows how the Yxy color 24.2813, 0.2857, 0.2165 looks on a white background.

Color Contrast Check

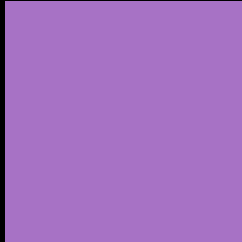
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2813, 0.2857, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

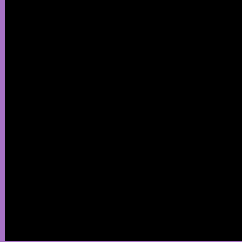
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2813, 0.2857, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 24.2813, 0.2857, 0.2165.



This preview shows how white text looks on a background with the Yxy color 24.2813, 0.2857, 0.2165.

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

24.2813, 0.2857, 0.2165

Protanopia

24.6433, 0.2246, 0.2101

Deuteranopia

24.4779, 0.2426, 0.2367



Tritanopia

24.2540, 0.3385, 0.3133

Trichromacy



Original Color

24.2813, 0.2857, 0.2165

Protanomaly

24.0159, 0.2426, 0.2109

Deuteranomaly

24.0603, 0.2564, 0.2284

Tritanomaly

23.9993, 0.3177, 0.2731

Monochromacy



Original Color

24.2813, 0.2857, 0.2165

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.8929, 0.3027, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2813, 0.2857, 0.2165 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(167, 114, 197)` looks like.

```
.text, #text, p{  
    color:rgb(167, 114, 197)  
}
```

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(167, 114, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 114, 197) }
```

Border

The CSS property to change the border of an element to Yxy 24.2813, 0.2857, 0.2165 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(167, 114, 197) }
```

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

```
.border{ border-color:rgb(167, 114, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 114, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 114, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 114, 197);  
box-shadow:4px 4px 4px 4px rgb(167, 114,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2813, 0.2857, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 114, 197) }
```

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

```
.background{ background-color: rgb(167,  
114, 197) }
```

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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