

Converting Colors

$Y_{xy}(26.1962, 0.2824, 0.2234)$

Have a look what the booklet for
Yxy(26.1962, 0.2824, 0.2234)
contains.

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Color

Yxy(26.1962, 0.2824, 0.2234)

Conversions

Conversions Part 1

Format	Color
Hex	A67AC8
RGB	166, 122, 200
RGB Percent	65%, 48%, 78%
CMY	0.3489, 0.5216, 0.2157
CMYK	0.17, 0.39, 0.00, 0.22
HSL	274°, 41%, 63%
HSV	274°, 39%, 78%
XYZ	33.1146, 26.1962, 57.9506
YIQ	144.0480, 1.1860, 33.5860

Conversions

Conversions Part 2

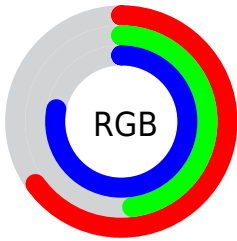
Format	Color
RYB	166, 122, 200
Decimal	10910408
CIELab	58.22, 31.90, -34.11
CIELCh	58, 46.703, 313.085
Yxy	26.1962, 0.2824, 0.2234
Android (android.graphics.Color)	4289100488 (0xFFA67AC8)
YUV	144.0480, 27.5843, 19.2519
Hunter-Lab	51.1822, 25.9196, -31.3030

Details

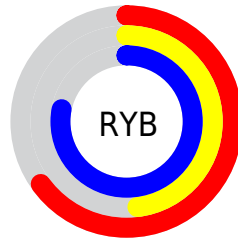
The Yxy color **26.1962, 0.2824, 0.2234** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.7742, 0.3332, 0.4379**, and the grayscale version is **27.7980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4095, 0.2907, 0.2445**, and **10.2208, 0.2704, 0.1930** is the 20% darker color. If you saturate the color by 10%, you get **20.8717, 0.2720, 0.1948**, and if you desaturate by 10%, it is **32.5971, 0.2918, 0.2522**.

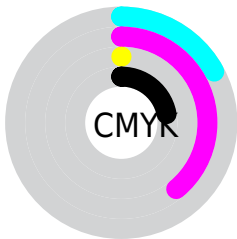
Distribution



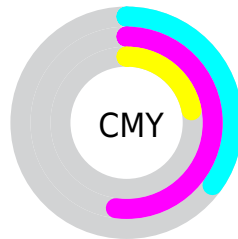
- Red (65%)
- Green (48%)
- Blue (78%)



- Red (65%)
- Yellow (48%)
- Blue (78%)



- Cyan (17%)
- Magenta (39%)
- Yellow (0%)
- Black (22%)





- Cyan (35%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1962, 0.2824, 0.2234 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 26.1962, 0.2824, 0.2234 by changing the saturation by 10% instead.


 26.1962, 0.2824,
0.2234

 26.1962, 0.2824,
0.2234


283.7439, 0.3000,
0.2765


 16.9705, 0.2773,
0.2103


 53.5913, 0.2894,
0.2426

 10.2134, 0.2702,
0.1937


 72.5295, 0.2918,
0.2499

 5.5407, 0.2601,
0.1720


 95.4739, 0.2938,
0.2560

 2.5679, 0.2447,
0.1431

122.8090, 0.2955,
0.2613

 0.9105, 0.2193,
0.1037

154.9191, 0.2968,
0.2659

 0.0000, 0.1774,
0.0000

192.1887, 0.2980,

 0.0000, 0.0000,

0.2699

0.0000

235.0022, 0.2991,
0.2734

■ 26.1962, 0.2824,
0.2234

■ 26.1962, 0.2824,
0.2234

■ 20.8717, 0.2720,
0.1948

■ 32.5971, 0.2918,
0.2522

■ 16.5568, 0.2608,
0.1676

■ 40.1294, 0.3001,
0.2802

■ 13.1818, 0.2491,
0.1431


■ 48.8484, 0.3072,
0.3067


■ 10.6666, 0.2375,
0.1227


■ 58.8046, 0.3133,
0.3314

■ 8.9170, 0.2263,
0.1073

■ 70.0453, 0.3184,
0.3540


 7.7760, 0.2160,
0.0968

 82.6157, 0.3226,
0.3745

 7.6748, 0.2150,
0.0958

 92.0186, 0.3269,
0.3863

 93.4706, 0.3326,
0.3853

 94.9952, 0.3383,
0.3843

Harmonies

Analogous

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



26.1962, 0.2202, 0.2101



26.1962, 0.2824, 0.2234



26.1962, 0.3625, 0.2577

Triad

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



26.1962, 0.2824, 0.2234



26.1962, 0.4530, 0.4207



26.1962, 0.2012, 0.3354

Complementary

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



26.1962, 0.2824, 0.2234



49.7742, 0.3332, 0.4379

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.



26.1962, 0.2540, 0.4197



26.1962, 0.2824, 0.2234



26.1962, 0.3995, 0.4649

Square

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



26.1962, 0.2824, 0.2234



26.1962, 0.4686, 0.3638



26.1962, 0.3267, 0.4710



26.1962, 0.1783, 0.2631

Rectangle

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



26.1962, 0.2824, 0.2234



26.1962, 0.4137, 0.2894



26.1962, 0.3267, 0.4710



26.1962, 0.2157, 0.3641

Sweetspot

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



26.1973, 0.2824, 0.2234



79.5666, 0.3051, 0.2985



32.4522, 0.2496, 0.2654



16.5955, 0.3041, 0.2950



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.



26.1973, 0.2824, 0.2234



37.2605, 0.2734, 0.1985



30.1854, 0.3211, 0.2379



10.5779, 0.3070, 0.3057



4.9341, 0.2164, 0.0965



0.2759, 0.2377, 0.1083

Inverse Universe

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



28.5944, 0.3663, 0.2849



42.2320, 0.3841, 0.2753



46.9464, 0.3047, 0.4411



10.7124, 0.3223, 0.3190



8.2634, 0.5210, 0.2644



0.4058, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 26.1962, 0.2824, 0.2234 looks on a white background.

Color Contrast Check

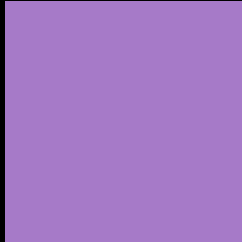
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1962, 0.2824, 0.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

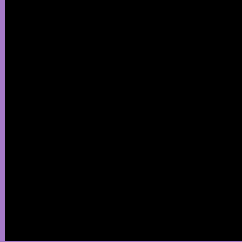
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1962, 0.2824, 0.2234

Background



This preview shows how black text looks on a background with the Yxy color 26.1962, 0.2824, 0.2234.



This preview shows how white text looks on a background with the Yxy color 26.1962, 0.2824, 0.2234.

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

26.1962, 0.2824, 0.2234

Protanopia

26.5585, 0.2313, 0.2191

Deuteranopia

26.4895, 0.2458, 0.2407



Tritanopia

26.2319, 0.3281, 0.3134

Trichromacy



Original Color

26.1962, 0.2824, 0.2234

Protanomaly

26.0431, 0.2473, 0.2198

Deuteranomaly

26.1706, 0.2580, 0.2336

Tritanomaly

26.1192, 0.3107, 0.2781

Monochromacy



Original Color

26.1962, 0.2824, 0.2234

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.9641, 0.3019, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1962, 0.2824, 0.2234 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(166, 122, 200)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 200)  
}
```

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(166, 122, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 200) }
```

Border

The CSS property to change the border of an element to Yxy 26.1962, 0.2824, 0.2234 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(166, 122, 200) }
```

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

```
.border{ border-color:rgb(166, 122, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 122, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 200);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1962, 0.2824, 0.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 200) }
```

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

```
.background{ background-color: rgb(166,  
122, 200) }
```

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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