

Converting Colors

$Y_{xy}(28.1057, 0.2617, 0.1988)$

Have a look what the booklet for
Yxy(28.1057, 0.2617, 0.1988)
contains.

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Color

Yxy(28.1768, 0.2618, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	A77CE3
RGB	167, 124, 227
RGB Percent	65%, 49%, 89%
CMY	0.3451, 0.5137, 0.1096
CMYK	0.26, 0.45, 0.00, 0.11
HSL	265°, 65%, 69%
HSV	265°, 45%, 89%
XYZ	37.0130, 28.1768, 76.1890
YIQ	148.5990, -7.4350, 41.1490

Conversions

Conversions Part 2

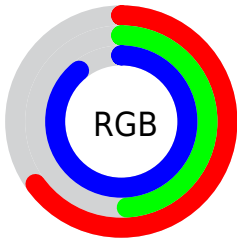
Format	Color
RYB	167, 124, 227
Decimal	10976483
CIELab	60.05, 37.33, -46.44
CIELCh	60, 59.585, 308.794
Yxy	28.1768, 0.2618, 0.1993
Android (android.graphics.Color)	4289166563 (0xFFA77CE3)
YUV	148.5990, 38.6517, 16.1377
Hunter-Lab	53.0818, 31.5716, -47.9425

Details

The Yxy color **28.1768, 0.2618, 0.1993** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **66.6096, 0.3468, 0.4539**, and the grayscale version is **29.7156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5116, 0.2922, 0.2469**, and **11.2826, 0.2438, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **21.7599, 0.2471, 0.1689**, and if you desaturate by 10%, it is **36.0531, 0.2755, 0.2303**.

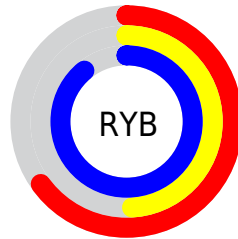
Distribution



Red (65%)

Green (49%)

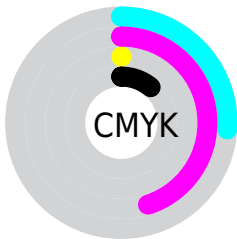
Blue (89%)



Red (65%)

Yellow (49%)

Blue (89%)

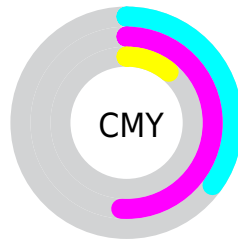


Cyan (26%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (51%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1768, 0.2618, 0.1993 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 28.1768, 0.2618, 0.1993 by changing the saturation by 10% instead.


 28.1768, 0.2618,
0.1993


 28.1768, 0.2618,
0.1993


293.3108, 0.2901,
0.2620


 18.4590, 0.2541,
0.1847


 56.7666, 0.2726,
0.2214

 11.2800, 0.2439,
0.1668


 76.4073, 0.2765,
0.2299

 6.2555, 0.2300,
0.1443


 100.1245, 0.2798,
0.2372

 3.0011, 0.2103,
0.1160

128.3025, 0.2825,
0.2435

 1.1323, 0.1812,
0.0806

161.3258, 0.2848,
0.2490

 0.0053, 0.1421,
0.0008

199.5786, 0.2868,

 0.0000, 0.0000,

0.2539

0.0000

243.4455, 0.2886,
0.2582

■ 28.1768, 0.2618,
0.1993

■ 28.1768, 0.2618,
0.1993

■ 21.7599, 0.2471,
0.1689

■ 36.0531, 0.2755,
0.2303

■ 16.7036, 0.2320,
0.1407

■ 45.4721, 0.2878,
0.2605

■ 12.9015, 0.2171,
0.1163


■ 56.5149, 0.2988,
0.2892


■ 10.2291, 0.2032,
0.0973

■ 69.2554, 0.3082,
0.3157

■ 8.5342, 0.1911,
0.0843

■ 83.7631, 0.3163,
0.3398

 7.9679, 0.1860,
0.0798

 96.7284, 0.3236,
0.3566

 98.3282, 0.3291,
0.3561

Harmonies

Analogous

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



28.1768, 0.1931, 0.1871



28.1768, 0.2618, 0.1993



28.1768, 0.3586, 0.2359

Triad

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



28.1768, 0.2618, 0.1993



28.1768, 0.4877, 0.4239



28.1768, 0.1837, 0.3501

Complementary

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



28.1768, 0.2618, 0.1993



66.6096, 0.3468, 0.4539

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.



28.1768, 0.2498, 0.4588



28.1768, 0.2618, 0.1993



28.1768, 0.4249, 0.4865

Square

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



28.1768, 0.2618, 0.1993



28.1768, 0.5028, 0.3555



28.1768, 0.3383, 0.5116



28.1768, 0.1537, 0.2558

Rectangle

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



28.1768, 0.2618, 0.1993



28.1768, 0.4252, 0.2711



28.1768, 0.3383, 0.5116



28.1768, 0.2019, 0.3878

Sweetspot

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



28.1779, 0.2618, 0.1993



75.5659, 0.3001, 0.2927



44.1574, 0.2419, 0.2715



15.4535, 0.2979, 0.2867



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.



28.1779, 0.2618, 0.1993



29.0998, 0.2487, 0.1720



34.9377, 0.3097, 0.2158



14.1795, 0.3045, 0.3052



4.7101, 0.1876, 0.0807



0.4016, 0.2040, 0.0897

Inverse Universe

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



34.2136, 0.3624, 0.2607



38.1083, 0.3768, 0.2485



61.3676, 0.3112, 0.4690



14.5081, 0.3202, 0.3154



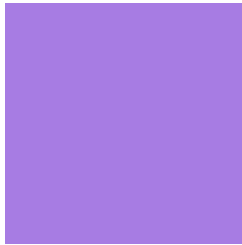
10.5238, 0.4607, 0.2312



0.7961, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 28.1768, 0.2618, 0.1993 looks on a white background.

Color Contrast Check

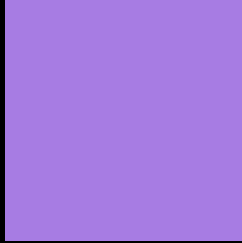
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1768, 0.2618, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

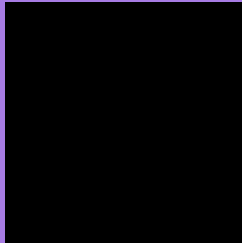
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1768, 0.2618, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 28.1768, 0.2618, 0.1993.



This preview shows how white text looks on a background with the Yxy color 28.1768, 0.2618, 0.1993.

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

28.1768, 0.2618, 0.1993

Protanopia

28.6418, 0.2108, 0.1927

Deuteranopia

28.3384, 0.2226, 0.2158



Tritanopia

28.0891, 0.3146, 0.3119

Trichromacy



Original Color

28.1768, 0.2618, 0.1993

Protanomaly

27.8780, 0.2257, 0.1933

Deuteranomaly

27.8623, 0.2346, 0.2088

Tritanomaly

27.8517, 0.2939, 0.2649

Monochromacy



Original Color

28.1768, 0.2618, 0.1993

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.9984, 0.2938, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1768, 0.2618, 0.1993 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, 124, 227)` looks like.

```
.text, #text, p{  
    color:rgb(167, 124, 227)  
}
```

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, 124, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 124, 227) }
```

Border

The CSS property to change the border of an element to Yxy 28.1768, 0.2618, 0.1993 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, 124, 227) }
```

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

```
.border{ border-color:rgb(167, 124, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 124, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 124, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 124, 227);  
box-shadow:4px 4px 4px 4px rgb(167, 124,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1768, 0.2618, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 124, 227) }
```

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

```
.background{ background-color: rgb(167,  
124, 227) }
```

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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