

Converting Colors

$Y_{xy}(29.9451, 0.2703, 0.2258)$

Have a look what the booklet for
Yxy(29.9451, 0.2703, 0.2258)
contains.

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Color

Yxy(29.9186, 0.2700, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	A387D5
RGB	163, 135, 213
RGB Percent	64%, 53%, 84%
CMY	0.3605, 0.4707, 0.1646
CMYK	0.23, 0.37, 0.00, 0.16
HSL	262°, 48%, 68%
HSV	262°, 37%, 84%
XYZ	35.7910, 29.9186, 66.8496
YIQ	152.2640, -8.3500, 30.1940

Conversions

Conversions Part 2

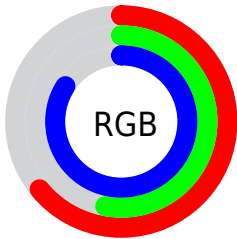
Format	Color
RYB	163, 135, 213
Decimal	10717141
CIELab	61.58, 26.65, -36.22
CIELCh	62, 44.966, 306.344
Yxy	29.9186, 0.2700, 0.2257
Android (android.graphics.Color)	4288907221 (0xFFA387D5)
YUV	152.2640, 29.9428, 9.4155
Hunter-Lab	54.6979, 21.0782, -34.1733

Details

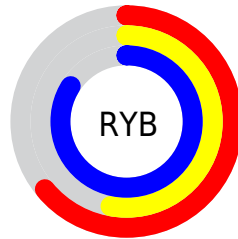
The Yxy color $29.9186, 0.2700, 0.2257$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $59.6490, 0.3447, 0.4270$, and the grayscale version is $31.3936, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.6753, 0.2889, 0.2589$, and $12.2806, 0.2556, 0.1980$ is the 20% darker color. If you saturate the color by 10%, you get $23.1969, 0.2550, 0.1941$, and if you desaturate by 10%, it is $37.9868, 0.2837, 0.2565$.

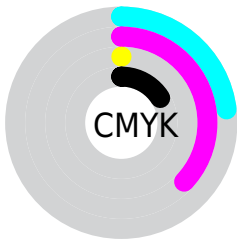
Distribution



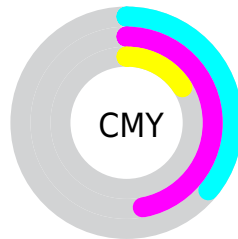
- Red (64%)
- Green (53%)
- Blue (84%)



- Red (64%)
- Yellow (53%)
- Blue (84%)



- Cyan (23%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)





- Cyan (36%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9186, 0.2700, 0.2257 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 29.9186, 0.2700, 0.2257 by changing the saturation by 10% instead.


 29.9186, 0.2700,
0.2257


 29.9186, 0.2700,
0.2257


301.5248, 0.2934,
0.2769


 19.7768, 0.2636,
0.2133

 59.5334, 0.2789,
0.2441

 12.2329, 0.2551,
0.1977


 79.7753, 0.2822,
0.2511

 6.9025, 0.2434,
0.1775


 104.1525, 0.2848,
0.2570

 3.4012, 0.2265,
0.1509

133.0497, 0.2871,
0.2621

 1.3446, 0.2005,
0.1150

166.8511, 0.2890,
0.2665

 0.1754, 0.1634,
0.0351

205.9412, 0.2907,

 0.0000, 0.0000,

0.2704

0.0000

250.7043, 0.2921,
0.2738

■ 29.9186, 0.2700,
0.2257

■ 29.9186, 0.2700,
0.2257

■ 23.1969, 0.2550,
0.1941

■ 37.9868, 0.2837,
0.2565

■ 17.7419, 0.2390,
0.1631

■ 47.4681, 0.2959,
0.2857

■ 13.4708, 0.2228,
0.1345

■ 58.4287, 0.3065,
0.3125

■ 10.2889, 0.2072,
0.1099

■ 70.9297, 0.3156,
0.3369

■ 8.0861, 0.1930,
0.0910

■ 85.0285, 0.3234,
0.3588

■ 6.7224, 0.1810,
0.0785

■ 95.7129, 0.3309,
0.3709

■ 6.3703, 0.1774,
0.0751

■ 97.5849, 0.3375,
0.3701

Harmonies

Analogous

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



29.9186, 0.2170, 0.2184



29.9186, 0.2700, 0.2257



29.9186, 0.3420, 0.2539

Triad

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



29.9186, 0.2700, 0.2257



29.9186, 0.4498, 0.4043



29.9186, 0.2182, 0.3530

Complementary

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



29.9186, 0.2700, 0.2257



59.6490, 0.3447, 0.4270

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.



29.9186, 0.2732, 0.4263



29.9186, 0.2700, 0.2257



29.9186, 0.4075, 0.4484

Square

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



29.9186, 0.2700, 0.2257



29.9186, 0.4535, 0.3505



29.9186, 0.3425, 0.4623



29.9186, 0.1897, 0.2816

Rectangle

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



29.9186, 0.2700, 0.2257



29.9186, 0.3910, 0.2819



29.9186, 0.3425, 0.4623



29.9186, 0.2339, 0.3792

Sweetspot

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



29.9198, 0.2700, 0.2257



80.1440, 0.3019, 0.3008



44.9457, 0.2565, 0.2919



16.6724, 0.3005, 0.2971



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.



29.9198, 0.2700, 0.2257



36.8967, 0.2583, 0.2010



34.5859, 0.3057, 0.2358



12.2241, 0.3037, 0.3053



3.9432, 0.1788, 0.0759



0.2837, 0.1985, 0.0867

Inverse Universe

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



34.9683, 0.3449, 0.2689



45.7307, 0.3543, 0.2562



55.5187, 0.3157, 0.4366



12.5533, 0.3192, 0.3142



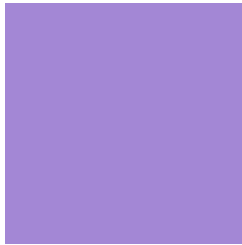
9.7524, 0.4371, 0.2181



0.6038, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 29.9186, 0.2700, 0.2257 looks on a white background.

Color Contrast Check

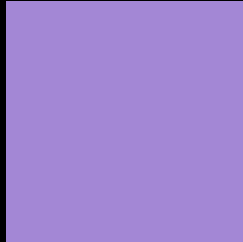
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9186, 0.2700, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

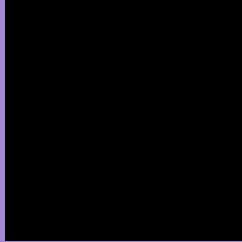
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9186, 0.2700, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 29.9186, 0.2700, 0.2257.



This preview shows how white text looks on a background with the Yxy color 29.9186, 0.2700, 0.2257.

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

29.9186, 0.2700, 0.2257

Protanopia

30.0426, 0.2345, 0.2227

Deuteranopia

29.9562, 0.2439, 0.2382



Tritanopia

29.7987, 0.3084, 0.3106

Trichromacy



Original Color

29.9186, 0.2700, 0.2257

Protanomaly

29.8637, 0.2461, 0.2231

Deuteranomaly

29.8370, 0.2523, 0.2336

Tritanomaly

29.7285, 0.2940, 0.2765

Monochromacy



Original Color

29.9186, 0.2700, 0.2257

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.6817, 0.2967, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9186, 0.2700, 0.2257 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(163, 135, 213)` looks like.

```
.text, #text, p{  
    color:rgb(163, 135, 213)  
}
```

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(163, 135, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 135, 213) }
```

Border

The CSS property to change the border of an element to Yxy 29.9186, 0.2700, 0.2257 is called "border". The border property can be set on classes, ids or directly on the HTML element.

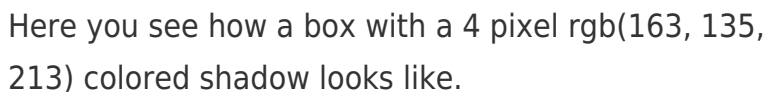
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 135, 213) }
```

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

```
.border{ border-color:rgb(163, 135, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 135, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 135, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 135, 213); box-shadow:4px 4px 4px 4px rgb(163, 135, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9186, 0.2700, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 135, 213) }
```

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

```
.background{ background-color: rgb(163,  
135, 213) }
```

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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