

Converting Colors

$Y_{xy}(27.7265, 0.2579, 0.2231)$

Have a look what the booklet for
Yxy(27.7265, 0.2579, 0.2231)
contains.

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Color

Yxy(27.6312, 0.2579, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	9385D2
RGB	147, 133, 210
RGB Percent	58%, 52%, 82%
CMY	0.4234, 0.4785, 0.1765
CMYK	0.30, 0.37, 0.00, 0.18
HSL	251°, 46%, 67%
HSV	251°, 37%, 82%
XYZ	32.0562, 27.6312, 64.6095
YIQ	145.9640, -16.3730, 26.9150

Conversions

Conversions Part 2

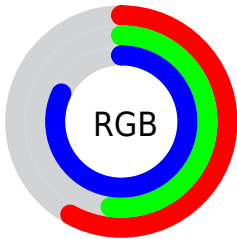
Format	Color
RYB	147, 133, 210
Decimal	9668050
CIELab	59.55, 22.37, -37.80
CIELCh	60, 43.925, 300.623
Yxy	27.6312, 0.2579, 0.2223
Android (android.graphics.Color)	4287858130 (0xFF9385D2)
YUV	145.9640, 31.5697, 0.9086
Hunter-Lab	52.5654, 16.8660, -36.0792

Details

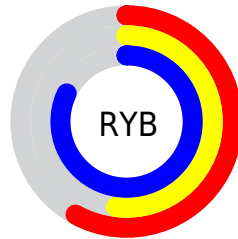
The Yxy color **27.6312, 0.2579, 0.2223** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.5104, 0.3559, 0.4233**, and the grayscale version is **28.6045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0343, 0.2772, 0.2532**, and **10.9328, 0.2392, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **20.9750, 0.2393, 0.1886**, and if you desaturate by 10%, it is **35.6757, 0.2752, 0.2548**.

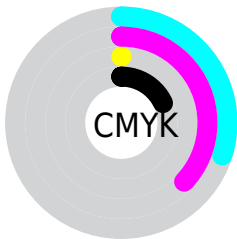
Distribution



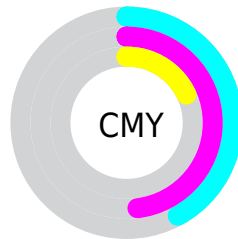
- Red (58%)
- Green (52%)
- Blue (82%)



- Red (58%)
- Yellow (52%)
- Blue (82%)



- Cyan (30%)
- Magenta (37%)
- Yellow (0%)
- Black (18%)




- Cyan (42%)
- Magenta (48%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6312, 0.2579, 0.2223 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 27.6312, 0.2579, 0.2223 by changing the saturation by 10% instead.


 27.6312, 0.2579,
0.2223


 27.6312, 0.2579,
0.2223


290.7004, 0.2877,
0.2759


 18.0478, 0.2498,
0.2091


 55.8951, 0.2692,
0.2417

 10.9843, 0.2391,
0.1925


 75.3444, 0.2734,
0.2490

 6.0563, 0.2245,
0.1709


 98.8512, 0.2768,
0.2552

 2.8793, 0.2035,
0.1422

126.7998, 0.2797,
0.2606

 1.0691, 0.1717,
0.1038

159.5746, 0.2821,
0.2652

 0.0000, 0.1197,
0.0000

197.5601, 0.2842,

 0.0000, 0.0000,

0.2692

0.0000

241.1405, 0.2861,
0.2728

■ 27.6312, 0.2579,
0.2223

■ 27.6312, 0.2579,
0.2223

■ 20.9750, 0.2393,
0.1886

■ 35.6757, 0.2752,
0.2548

■ 15.6247, 0.2201,
0.1553

■ 45.1784, 0.2908,
0.2850

■ 11.4937, 0.2015,
0.1245

■ 56.2081, 0.3046,
0.3124

■ 8.4839, 0.1846,
0.0985

■ 68.8284, 0.3165,
0.3368

■ 6.4811, 0.1706,
0.0791

■ 83.0991, 0.3268,
0.3584

■ 5.3405, 0.1605,
0.0672

■ 96.5063, 0.3361,
0.3735

■ 5.0703, 0.1579,
0.0643

■ 97.4326, 0.3394,
0.3731

Harmonies

Analogous

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



27.6312, 0.2094, 0.2194



27.6312, 0.2579, 0.2223



27.6312, 0.3275, 0.2469

Triad

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



27.6312, 0.2579, 0.2223



27.6312, 0.4543, 0.3944



27.6312, 0.2266, 0.3681

Complementary

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



27.6312, 0.2579, 0.2223



59.5104, 0.3559, 0.4233

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.



27.6312, 0.2857, 0.4374



27.6312, 0.2579, 0.2223



27.6312, 0.4181, 0.4418

Square

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



27.6312, 0.2579, 0.2223



27.6312, 0.4494, 0.3401



27.6312, 0.3559, 0.4636



27.6312, 0.1926, 0.2934

Rectangle

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



27.6312, 0.2579, 0.2223



27.6312, 0.3777, 0.2732



27.6312, 0.3559, 0.4636



27.6312, 0.2440, 0.3940

Sweetspot

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



27.6323, 0.2579, 0.2223



79.2975, 0.2987, 0.3005



49.6426, 0.2593, 0.3116



16.4718, 0.2968, 0.2968



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.



27.6323, 0.2579, 0.2223



34.6190, 0.2434, 0.1960



31.6565, 0.2920, 0.2319



11.5199, 0.3010, 0.3052



3.1249, 0.1589, 0.0649



0.2067, 0.1756, 0.0741

Inverse Universe

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



34.4567, 0.3306, 0.2536



46.8165, 0.3355, 0.2381



55.1176, 0.3262, 0.4331



11.9705, 0.3165, 0.3102



10.1815, 0.3728, 0.1827



0.5791, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 27.6312, 0.2579, 0.2223 looks on a white background.

Color Contrast Check

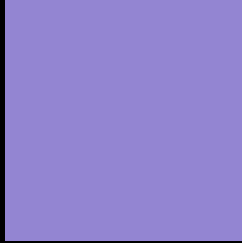
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6312, 0.2579, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

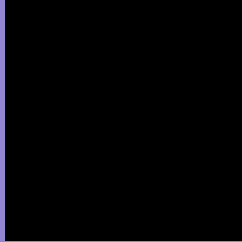
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6312, 0.2579, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 27.6312, 0.2579, 0.2223.



This preview shows how white text looks on a background with the Yxy color 27.6312, 0.2579, 0.2223.

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

27.6312, 0.2579, 0.2223

Protanopia

27.8414, 0.2319, 0.2197

Deuteranopia

27.6820, 0.2374, 0.2315



Tritanopia

27.5811, 0.2932, 0.3095

Trichromacy



Original Color

27.6312, 0.2579, 0.2223

Protanomaly

27.6212, 0.2408, 0.2208

Deuteranomaly

27.6579, 0.2442, 0.2278

Tritanomaly

27.4662, 0.2792, 0.2736

Monochromacy



Original Color

27.6312, 0.2579, 0.2223

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.0253, 0.2912, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6312, 0.2579, 0.2223 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(147, 133, 210)` looks like.

```
.text, #text, p{  
    color:rgb(147, 133, 210)  
}
```

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(147, 133, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 133, 210) }
```

Border

The CSS property to change the border of an element to Yxy 27.6312, 0.2579, 0.2223 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(147, 133, 210) }
```

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

```
.border{ border-color:rgb(147, 133, 210) }
```

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

Here you see how a box with a 4 pixel rgb(147, 133, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 133, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 133, 210);  
box-shadow:4px 4px 4px 4px rgb(147, 133,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6312, 0.2579, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 133, 210) }
```

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

```
.background{ background-color: rgb(147,  
133, 210) }
```

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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