

Converting Colors

$Y_{xy}(27.7791, 0.2397, 0.1681)$

Have a look what the booklet for
Yxy(27.7791, 0.2397, 0.1681)
contains.

| | |
|--|----|
| Yxy(27.7291, 0.2393, 0.1679) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(27.7291, 0.2393, 0.1679)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A375FF |
| RGB | 163, 117, 255 |
| RGB Percent | 64%, 46%, 100% |
| CMY | 0.3607, 0.5412, 0.0000 |
| CMYK | 0.36, 0.54, 0.00, 0.00 |
| HSL | 260°, 100%, 73% |
| HSV | 260°, 54%, 100% |
| XYZ | 39.5210, 27.7291, 97.9024 |
| YIQ | 146.4860, -16.8820, 52.6700 |

Conversions

Conversions Part 2

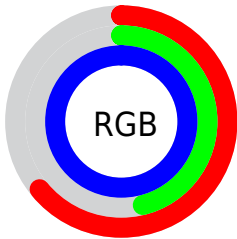
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 163, 117, 255 |
| Decimal | 10712575 |
| CIE _{Lab} | 59.64, 47.14, -62.62 |
| CIE _{LCh} | 60, 78.381, 306.976 |
| Yxy | 27.7291, 0.2393, 0.1679 |
| Android (android.graphics.Color) | 4288902655 (0xFFA375FF) |
| YUV | 146.4860, 53.4974, 14.4828 |
| Hunter-Lab | 52.6584, 41.8148, -73.3709 |

Details

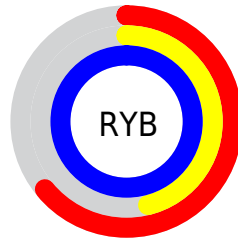
The Yxy color **27.7291, 0.2393, 0.1679** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.3557, 0.3592, 0.4753**, and the grayscale version is **28.7346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4990, 0.2905, 0.2392**, and **11.0488, 0.2159, 0.1332** is the 20% darker color. If you saturate the color by 10%, you get **20.8988, 0.2224, 0.1380**, and if you desaturate by 10%, it is **36.4164, 0.2559, 0.1999**.

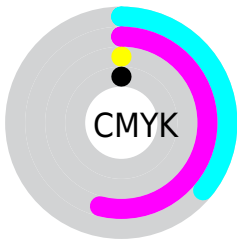
Distribution



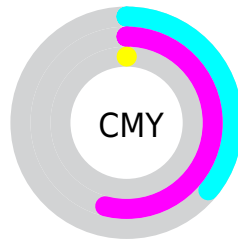
- Red (64%)
- Green (46%)
- Blue (100%)



- Red (64%)
- Yellow (46%)
- Blue (100%)



- Cyan (36%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7291, 0.2393, 0.1679 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 27.7291, 0.2393, 0.1679 by changing the saturation by 10% instead.


 27.7291, 0.2393,
0.1679

 27.7291, 0.2393,
0.1679


291.1702, 0.2791,
0.2424


 18.1215, 0.2290,
0.1518


 56.0516, 0.2542,
0.1932

 11.0373, 0.2159,
0.1326


 75.5354, 0.2596,
0.2033

 6.0919, 0.1986,
0.1097


 99.0801, 0.2642,
0.2120

 2.9011, 0.1756,
0.0828

127.0700, 0.2681,
0.2196

 1.0803, 0.1443,
0.0523

159.8896, 0.2715,
0.2264

 0.0000, 0.1046,
0.0000

197.9232, 0.2744,


 0.0000, 0.0117,


0.2323


0.0000


241.5553, 0.2769,
0.2376


 0.0000, 0.0000,
0.0000


 27.7291, 0.2393,
0.1679


 27.7291, 0.2393,
0.1679


 20.8988, 0.2224,
0.1380


 36.4164, 0.2559,
0.1999

 15.7840, 0.2061,
0.1120


 47.0924, 0.2714,
0.2320


 12.2172, 0.1913,
0.0916

 59.8731, 0.2854,
0.2631

 9.9959, 0.1789,
0.0779

 74.8660, 0.2979,
0.2922

 9.1532, 0.1728,
0.0725

 92.1716, 0.3087,
0.3188

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7291, 0.1602, 0.1546



27.7291, 0.2393, 0.1679



27.7291, 0.3620, 0.2091

Triad

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



27.7291, 0.2393, 0.1679



27.7291, 0.5315, 0.4270



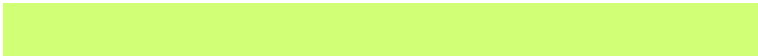
27.7291, 0.1517, 0.3617

Complementary

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



27.7291, 0.2393, 0.1679



86.3557, 0.3592, 0.4753

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.



27.7291, 0.2318, 0.5165



27.7291, 0.2393, 0.1679



27.7291, 0.4480, 0.5152

Square

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



27.7291, 0.2393, 0.1679



27.7291, 0.5564, 0.3456



27.7291, 0.3404, 0.5721



27.7291, 0.1180, 0.2353

Rectangle

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



27.7291, 0.2393, 0.1679



27.7291, 0.4522, 0.2495



27.7291, 0.3404, 0.5721



27.7291, 0.1734, 0.4157

Sweetspot

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



27.7281, 0.2393, 0.1679



71.8768, 0.2957, 0.2869



56.6003, 0.2319, 0.2724



14.7032, 0.2932, 0.2810



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.



27.7281, 0.2393, 0.1679



20.3832, 0.2210, 0.1355



37.0956, 0.2981, 0.1917



17.6720, 0.3031, 0.3048



4.8552, 0.1743, 0.0734



0.5296, 0.1865, 0.0801

Inverse Universe

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



38.5823, 0.3641, 0.2377



32.6037, 0.3791, 0.2238



78.3788, 0.3161, 0.4977



18.1913, 0.3189, 0.3133



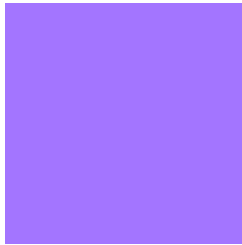
12.6534, 0.4277, 0.2130



1.2523, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 27.7291, 0.2393, 0.1679 looks on a white background.

Color Contrast Check

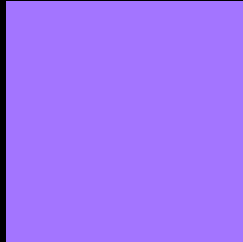
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7291, 0.2393, 0.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

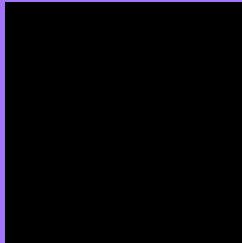
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7291, 0.2393, 0.1679

Background



This preview shows how black text looks on a background with the Yxy color 27.7291, 0.2393, 0.1679.



This preview shows how white text looks on a background with the Yxy color 27.7291, 0.2393, 0.1679.

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

27.7291, 0.2393, 0.1679

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

28.0510, 0.1931, 0.1862



Tritanopia

27.7288, 0.3011, 0.3114

Trichromacy



Original Color

27.7291, 0.2393, 0.1679



Protanomaly

27.3674, 0.2101, 0.1723



Deuteranomaly

26.8344, 0.2031, 0.1758



Tritanomaly

27.2958, 0.2754, 0.2465

Monochromacy



Original Color

27.7291, 0.2393, 0.1679



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.5485, 0.2817, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7291, 0.2393, 0.1679 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, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 255)  
}
```

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, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7291, 0.2393, 0.1679 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, 117, 255) }
```

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

```
.border{ border-color:rgb(163, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 117,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7291, 0.2393, 0.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 255) }
```

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

```
.background{ background-color: rgb(163,  
117, 255) }
```

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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