

Converting Colors

$Y_{xy}(28.1615, 0.2275, 0.1723)$

Have a look what the booklet for
Yxy(28.1615, 0.2275, 0.1723)
contains.

Yxy(28.1615, 0.2275, 0.1723)	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(28.1615, 0.2275, 0.1723)

Conversions

Conversions Part 1

Format	Color
Hex	917EFF
RGB	145, 126, 255
RGB Percent	57%, 49%, 100%
CMY	0.4316, 0.5058, 0.0000
CMYK	0.43, 0.51, 0.00, 0.00
HSL	249°, 100%, 75%
HSV	249°, 51%, 100%
XYZ	37.1836, 28.1615, 98.0994
YIQ	146.3870, -30.0850, 44.1470

Conversions

Conversions Part 2

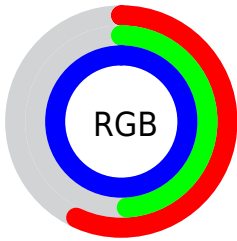
Format	Color
RYB	145, 126, 255
Decimal	9535231
CIELab	60.03, 37.95, -62.07
CIElCh	60, 72.755, 301.442
Yxy	28.1615, 0.2275, 0.1723
Android (android.graphics.Color)	4287725311 (0xFF917EFF)
YUV	146.3870, 53.5462, -1.2164
Hunter-Lab	53.0674, 32.2046, -72.4552

Details

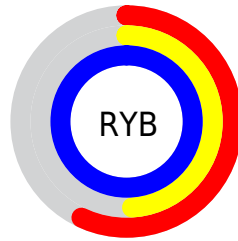
The Yxy color **28.1615, 0.2275, 0.1723** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **90.8702, 0.3737, 0.4580**, and the grayscale version is **28.6946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2976, 0.2774, 0.2456**, and **11.1785, 0.2017, 0.1367** is the 20% darker color. If you saturate the color by 10%, you get **20.6591, 0.2078, 0.1391**, and if you desaturate by 10%, it is **37.7034, 0.2473, 0.2068**.

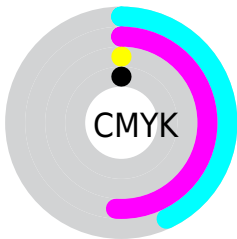
Distribution



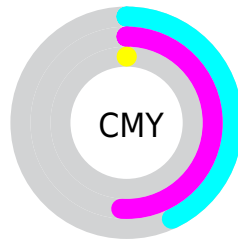
- Red (57%)
- Green (49%)
- Blue (100%)



- Red (57%)
- Yellow (49%)
- Blue (100%)



- Cyan (43%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1615, 0.2275, 0.1723 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 28.1615, 0.2275, 0.1723 by changing the saturation by 10% instead.


 28.1615, 0.2275,
0.1723


 28.1615, 0.2275,
0.1723


293.2378, 0.2726,
0.2456


 18.4474, 0.2162,
0.1562


 56.7422, 0.2441,
0.1974

 11.2717, 0.2018,
0.1370


 76.3776, 0.2503,
0.2073

 6.2499, 0.1832,
0.1140


 100.0889, 0.2555,
0.2158

 2.9976, 0.1588,
0.0867

128.2605, 0.2599,
0.2233

 1.1305, 0.1265,
0.0555

161.2768, 0.2638,
0.2299

 0.0038, 0.0867,
0.0004

199.5222, 0.2671,

 0.0000, 0.0000,

0.2357

0.0000

243.3811, 0.2700,
0.2409

■ 28.1615, 0.2275,
0.1723

■ 28.1615, 0.2275,
0.1723

■ 20.6591, 0.2078,
0.1391

■ 37.7034, 0.2473,
0.2068

■ 15.0465, 0.1894,
0.1097

■ 49.4210, 0.2661,
0.2407

■ 11.1518, 0.1738,
0.0863

■ 63.4376, 0.2833,
0.2726

■ 8.7713, 0.1621,
0.0707

■ 79.8674, 0.2986,
0.3016

■ 7.6215, 0.1549,
0.0627

■ 98.8171, 0.3120,
0.3276

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.



28.1615, 0.1595, 0.1650



28.1615, 0.2275, 0.1723



28.1615, 0.3360, 0.2071

Triad

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



28.1615, 0.2275, 0.1723



28.1615, 0.5287, 0.4110



28.1615, 0.1733, 0.3872

Complementary

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



28.1615, 0.2275, 0.1723



90.8702, 0.3737, 0.4580

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.



28.1615, 0.2572, 0.5188



28.1615, 0.2275, 0.1723



28.1615, 0.4603, 0.4924

Square

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



28.1615, 0.2275, 0.1723



28.1615, 0.5349, 0.3345



28.1615, 0.3618, 0.5507



28.1615, 0.1318, 0.2604

Rectangle

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



28.1615, 0.2275, 0.1723



28.1615, 0.4199, 0.2436



28.1615, 0.3618, 0.5507



28.1615, 0.1971, 0.4362

Sweetspot

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



28.1612, 0.2275, 0.1723



72.3044, 0.2921, 0.2892



72.6907, 0.2428, 0.3087



14.7402, 0.2888, 0.2830



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.



28.1612, 0.2275, 0.1723



20.3879, 0.2070, 0.1378



35.5130, 0.2770, 0.1912



17.5057, 0.3001, 0.3046



4.0206, 0.1558, 0.0632



0.4277, 0.1642, 0.0678

Inverse Universe

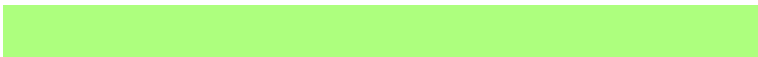
The Inverse Universe completely reimagines the original color for something new.



42.2454, 0.3356, 0.2220



36.1046, 0.3415, 0.2043



81.9464, 0.3317, 0.4783



18.2518, 0.3161, 0.3090



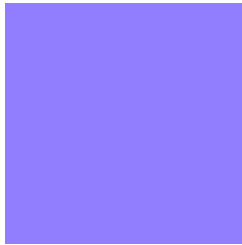
13.7592, 0.3620, 0.1768



1.3516, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 28.1615, 0.2275, 0.1723 looks on a white background.

Color Contrast Check

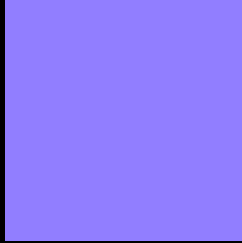
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1615, 0.2275, 0.1723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

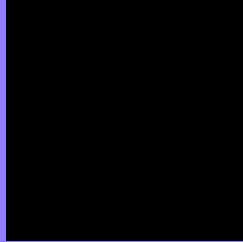
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1615, 0.2275, 0.1723

Background



This preview shows how black text looks on a background with the Yxy color 28.1615, 0.2275, 0.1723.



This preview shows how white text looks on a background with the Yxy color 28.1615, 0.2275, 0.1723.

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

28.1615, 0.2275, 0.1723

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.4206, 0.1932, 0.1867



Tritanopia

28.1330, 0.2754, 0.3091

Trichromacy



Original Color

28.1615, 0.2275, 0.1723

Protanomaly

28.2078, 0.2089, 0.1764

Deuteranomaly

27.7177, 0.2012, 0.1792

Tritanomaly

27.7357, 0.2557, 0.2481

Monochromacy



Original Color

28.1615, 0.2275, 0.1723

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1214, 0.2764, 0.2595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1615, 0.2275, 0.1723 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(145, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 126, 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(145, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.1615, 0.2275, 0.1723 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(145, 126, 255) }
```

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

```
.border{ border-color:rgb(145, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1615, 0.2275, 0.1723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 126, 255) }
```

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

```
.background{ background-color: rgb(145,  
126, 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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