

Converting Colors

$Y_{xy}(22.5431, 0.2329, 0.1624)$

Have a look what the booklet for
Yxy(22.5431, 0.2329, 0.1624)
contains.

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Color

Yxy(22.5598, 0.2327, 0.1620)

Conversions

Conversions Part 1

Format	Color
Hex	916AEF
RGB	145, 106, 239
RGB Percent	57%, 42%, 94%
CMY	0.4315, 0.5842, 0.0628
CMYK	0.39, 0.56, 0.00, 0.06
HSL	258°, 81%, 68%
HSV	258°, 56%, 94%
XYZ	32.4053, 22.5598, 84.2929
YIQ	132.8230, -19.4490, 49.6310

Conversions

Conversions Part 2

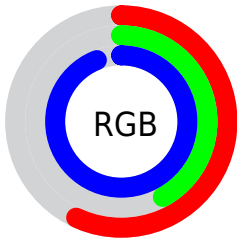
Format	Color
RYB	145, 106, 239
Decimal	9530095
CIELab	54.62, 44.92, -61.89
CIELCh	55, 76.473, 305.971
Yxy	22.5598, 0.2327, 0.1620
Android (android.graphics.Color)	4287720175 (0xFF916AEF)
YUV	132.8230, 52.3453, 10.6792
Hunter-Lab	47.4972, 38.6631, -71.9735

Details

The Yxy color **22.5598, 0.2327, 0.1620** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **75.0454, 0.3639, 0.4767**, and the grayscale version is **23.2003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3702, 0.2751, 0.2223**, and **8.3299, 0.2056, 0.1238** is the 20% darker color. If you saturate the color by 10%, you get **16.8793, 0.2152, 0.1320**, and if you desaturate by 10%, it is **29.8422, 0.2501, 0.1942**.

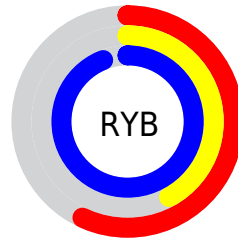
Distribution



Red (57%)

Green (42%)

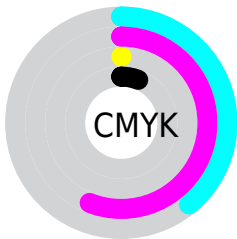
Blue (94%)



Red (57%)

Yellow (42%)

Blue (94%)

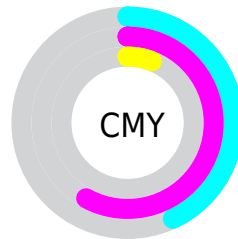


Cyan (39%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (43%)


Magenta (58%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5598, 0.2327, 0.1620 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 22.5598, 0.2327, 0.1620 by changing the saturation by 10% instead.


 22.5598, 0.2327,
0.1620


 22.5598, 0.2327,
0.1620


265.4559, 0.2771,
0.2414


 14.2688, 0.2209,
0.1444

 47.6695, 0.2495,
0.1894

 8.3079, 0.2057,
0.1234


 65.2570, 0.2556,
0.2001

 4.2926, 0.1855,
0.0984


 86.7121, 0.2608,
0.2094

 1.8385, 0.1584,
0.0692

 112.4193, 0.2651,
0.2175

 0.5110, 0.1220,
0.0342

142.7628, 0.2688,
0.2246

 0.0000, 0.0702,
0.0000

178.1272, 0.2719,

 0.0000, 0.0000,

0.2309

0.0000

218.8967, 0.2747,
0.2364

■ 22.5598, 0.2327,
0.1620

■ 22.5598, 0.2327,
0.1620

■ 16.8793, 0.2152,
0.1320

■ 29.8422, 0.2501,
0.1942

■ 12.6711, 0.1987,
0.1063

■ 38.8374, 0.2666,
0.2268

■ 9.7886, 0.1841,
0.0866

■ 49.6486, 0.2817,
0.2584


■ 8.0515, 0.1722,
0.0738

■ 62.3704, 0.2951,
0.2879

■ 7.5338, 0.1680,
0.0699

■ 77.0905, 0.3068,
0.3150

 93.8912, 0.3169,
0.3393

 99.0109, 0.3220,
0.3444

Harmonies

Analogous

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



22.5598, 0.1534, 0.1493



22.5598, 0.2327, 0.1620



22.5598, 0.3588, 0.2031

Triad

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



22.5598, 0.2327, 0.1620



22.5598, 0.5400, 0.4242



22.5598, 0.1476, 0.3680

Complementary

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



22.5598, 0.2327, 0.1620



75.0454, 0.3639, 0.4767

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.



22.5598, 0.2308, 0.5309



22.5598, 0.2327, 0.1620



22.5598, 0.4536, 0.5167

Square

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



22.5598, 0.2327, 0.1620



22.5598, 0.5653, 0.3413



22.5598, 0.3427, 0.5820



22.5598, 0.1124, 0.2340

Rectangle

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



22.5598, 0.2327, 0.1620



22.5598, 0.4536, 0.2440



22.5598, 0.3427, 0.5820



22.5598, 0.1701, 0.4254

Sweetspot

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



22.5606, 0.2327, 0.1620



70.0357, 0.2933, 0.2839



51.2135, 0.2322, 0.2799



14.3293, 0.2907, 0.2780



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.



22.5606, 0.2327, 0.1620



18.6696, 0.2125, 0.1276



30.2699, 0.2912, 0.1861



15.4531, 0.3025, 0.3049



4.2226, 0.1694, 0.0707



0.4006, 0.1831, 0.0782

Inverse Universe

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



32.8306, 0.3596, 0.2307



32.0288, 0.3734, 0.2158



67.8996, 0.3198, 0.5001



15.9479, 0.3183, 0.3124



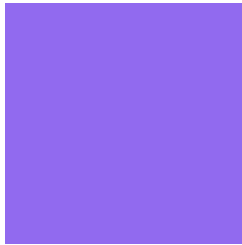
11.7475, 0.4119, 0.2043



0.9946, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 22.5598, 0.2327, 0.1620 looks on a white background.

Color Contrast Check

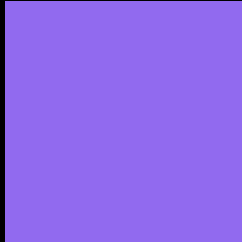
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5598, 0.2327, 0.1620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

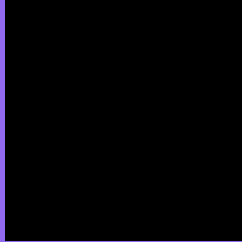
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5598, 0.2327, 0.1620

Background



This preview shows how black text looks on a background with the Yxy color 22.5598, 0.2327, 0.1620.



This preview shows how white text looks on a background with the Yxy color 22.5598, 0.2327, 0.1620.

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

22.5598, 0.2327, 0.1620

Protanopia

22.8718, 0.1827, 0.1552

Deuteranopia

22.9496, 0.1865, 0.1809



Tritanopia

22.3965, 0.2925, 0.3095

Trichromacy



Original Color

22.5598, 0.2327, 0.1620



Protanomaly

22.0116, 0.1939, 0.1550



Deuteranomaly

21.5418, 0.1938, 0.1686



Tritanomaly

21.9187, 0.2674, 0.2416

Monochromacy



Original Color

22.5598, 0.2327, 0.1620



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.4628, 0.2780, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5598, 0.2327, 0.1620 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, 106, 239)` looks like.

```
.text, #text, p{  
  color:rgb(145, 106, 239)  
}
```

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, 106, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 106, 239) }
```

Border

The CSS property to change the border of an element to Yxy 22.5598, 0.2327, 0.1620 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, 106, 239) }
```

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

```
.border{ border-color:rgb(145, 106, 239) }
```

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

Here you see how a box with a 4 pixel rgb(145, 106, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 106, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 106, 239);  
box-shadow:4px 4px 4px 4px rgb(145, 106,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5598, 0.2327, 0.1620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 106, 239) }
```

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

```
.background{ background-color: rgb(145,  
106, 239) }
```

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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