

Converting Colors

$Y_{xy}(27.1728, 0.2244, 0.1740)$

Have a look what the booklet for
Yxy(27.1728, 0.2244, 0.1740)
contains.

Yxy(27.1422, 0.2246, 0.1740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1422, 0.2246, 0.1740)

Conversions

Conversions Part 1

Format	Color
Hex	897EFA
RGB	137, 126, 250
RGB Percent	54%, 49%, 98%
CMY	0.4625, 0.5059, 0.0197
CMYK	0.45, 0.50, 0.00, 0.02
HSL	245°, 92%, 74%
HSV	245°, 50%, 98%
XYZ	35.0353, 27.1422, 93.8122
YIQ	143.4250, -33.2480, 40.8960

Conversions

Conversions Part 2

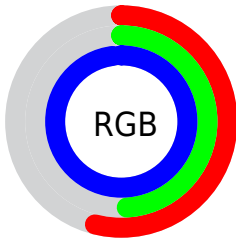
Format	Color
RYB	137, 126, 250
Decimal	9010938
CIELab	59.11, 34.77, -60.82
CIElCh	59, 70.056, 299.758
Yxy	27.1422, 0.2246, 0.1740
Android (android.graphics.Color)	4287201018 (0xFF897EFA)
YUV	143.4250, 52.5415, -5.6347
Hunter-Lab	52.0982, 28.8669, -70.2936

Details

The Yxy color **27.1422, 0.2246, 0.1740** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **88.1958, 0.3778, 0.4532**, and the grayscale version is **27.4462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0623, 0.2709, 0.2441**, and **10.7777, 0.1979, 0.1383** is the 20% darker color. If you saturate the color by 10%, you get **19.8035, 0.2042, 0.1400**, and if you desaturate by 10%, it is **36.4854, 0.2452, 0.2091**.

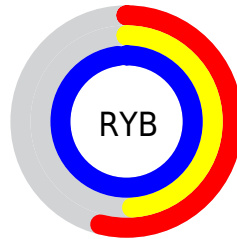
Distribution



Red (54%)

Green (49%)

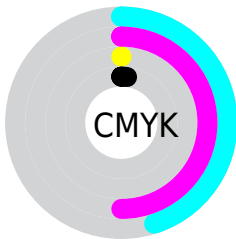
Blue (98%)



Red (54%)

Yellow (49%)

Blue (98%)

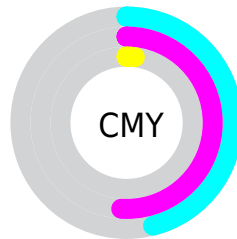


Cyan (45%)

Magenta (50%)

Yellow (0%)

Black (2%)



Cyan (46%)


Magenta (51%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1422, 0.2246, 0.1740 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 27.1422, 0.2246, 0.1740 by changing the saturation by 10% instead.


 27.1422, 0.2246,
0.1740


 27.1422, 0.2246,
0.1740


288.3450, 0.2713,
0.2473


 17.6800, 0.2128,
0.1577

 55.1120, 0.2418,
0.1993

 10.7205, 0.1979,
0.1382


 74.3884, 0.2482,
0.2092

 5.8792, 0.1786,
0.1147


 97.7050, 0.2536,
0.2177

 2.7718, 0.1532,
0.0866

125.4462, 0.2582,
0.2252

 1.0138, 0.1196,
0.0545

157.9964, 0.2621,
0.2318

 0.0000, 0.0780,
0.0000

195.7400, 0.2656,

 0.0000, 0.0000,

0.2376

0.0000

239.0614, 0.2686,
0.2427

■ 27.1422, 0.2246,
0.1740

■ 27.1422, 0.2246,
0.1740

■ 19.8035, 0.2042,
0.1400

■ 36.4854, 0.2452,
0.2091

■ 14.3197, 0.1856,
0.1098

■ 47.9628, 0.2649,
0.2433

■ 10.5243, 0.1700,
0.0857

■ 61.6960, 0.2830,
0.2753

■ 8.2199, 0.1589,
0.0697

■ 77.7970, 0.2991,
0.3043

■ 7.1070, 0.1524,
0.0615

■ 96.3701, 0.3132,
0.3300

■ 7.0745, 0.1523,
0.0612

■ 99.6804, 0.3156,
0.3338

Harmonies

Analogous

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



27.1422, 0.1598, 0.1686



27.1422, 0.2246, 0.1740



27.1422, 0.3289, 0.2069

Triad

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



27.1422, 0.2246, 0.1740



27.1422, 0.5268, 0.4064



27.1422, 0.1801, 0.3939

Complementary

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



27.1422, 0.2246, 0.1740



88.1958, 0.3778, 0.4532

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.



27.1422, 0.2647, 0.5181



27.1422, 0.2246, 0.1740



27.1422, 0.4630, 0.4858

Square

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



27.1422, 0.2246, 0.1740



27.1422, 0.5276, 0.3312



27.1422, 0.3677, 0.5440



27.1422, 0.1364, 0.2680

Rectangle

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



27.1422, 0.2246, 0.1740



27.1422, 0.4107, 0.2421



27.1422, 0.3677, 0.5440



27.1422, 0.2044, 0.4411

Sweetspot

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



27.1431, 0.2246, 0.1740



71.9580, 0.2906, 0.2890



73.4447, 0.2453, 0.3166



14.6580, 0.2871, 0.2828



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.



27.1431, 0.2246, 0.1740



20.4119, 0.2033, 0.1385



33.8687, 0.2726, 0.1920



16.7170, 0.2993, 0.3046



3.7788, 0.1529, 0.0616



0.3743, 0.1591, 0.0650

Inverse Universe

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



41.4654, 0.3283, 0.2180



37.1344, 0.3321, 0.1992



79.2844, 0.3355, 0.4731



17.4963, 0.3152, 0.3077



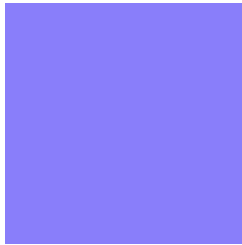
13.7538, 0.3447, 0.1673



1.2814, 0.3416, 0.1655

Previews

White Background



This preview shows how the Yxy color 27.1422, 0.2246, 0.1740 looks on a white background.

Color Contrast Check

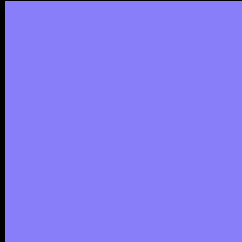
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1422, 0.2246, 0.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

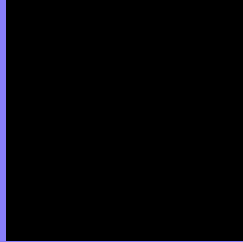
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1422, 0.2246, 0.1740

Background



This preview shows how black text looks on a background with the Yxy color 27.1422, 0.2246, 0.1740.



This preview shows how white text looks on a background with the Yxy color 27.1422, 0.2246, 0.1740.

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

27.1422, 0.2246, 0.1740

Protanopia

27.3283, 0.1974, 0.1747

Deuteranopia

27.5301, 0.1933, 0.1873



Tritanopia

27.1937, 0.2699, 0.3102

Trichromacy



Original Color

27.1422, 0.2246, 0.1740

Protanomaly

27.0851, 0.2055, 0.1742

Deuteranomaly

26.6330, 0.2006, 0.1801

Tritanomaly

26.6995, 0.2511, 0.2490

Monochromacy



Original Color

27.1422, 0.2246, 0.1740

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.9314, 0.2748, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1422, 0.2246, 0.1740 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(137, 126, 250)` looks like.

```
.text, #text, p{  
    color:rgb(137, 126, 250)  
}
```

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(137, 126, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 126, 250) }
```

Border

The CSS property to change the border of an element to Yxy 27.1422, 0.2246, 0.1740 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(137, 126, 250) }
```

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

```
.border{ border-color:rgb(137, 126, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 126, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 126, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 126, 250);  
box-shadow:4px 4px 4px 4px rgb(137, 126,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1422, 0.2246, 0.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 126, 250) }
```

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

```
.background{ background-color: rgb(137,  
126, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor