

Converting Colors

$Y_{xy}(26.9693, 0.2445, 0.2118)$

Have a look what the booklet for
Yxy(26.9693, 0.2445, 0.2118)
contains.

Yxy(27.1032, 0.2448, 0.2125)	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(27.1032, 0.2448, 0.2125)

Conversions

Conversions Part 1

Format	Color
Hex	8985D9
RGB	137, 133, 217
RGB Percent	54%, 52%, 85%
CMY	0.4628, 0.4784, 0.1491
CMYK	0.37, 0.39, 0.00, 0.15
HSL	243°, 52%, 69%
HSV	243°, 39%, 85%
XYZ	31.2229, 27.1032, 69.2184
YIQ	143.7720, -24.5800, 26.9720

Conversions

Conversions Part 2

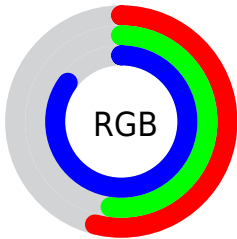
Format	Color
R _Y B	137, 133, 217
Decimal	9012697
CIE Lab	59.07, 21.42, -42.54
CIE LCh	59, 47.627, 296.727
Yxy	27.1032, 0.2448, 0.2125
Android (android.graphics.Color)	4287202777 (0xFF8985D9)
YUV	143.7720, 36.1014, -5.9390
Hunter-Lab	52.0607, 15.9472, -42.3877

Details

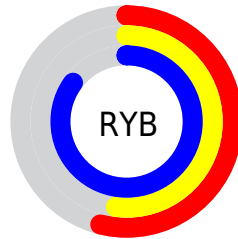
The Yxy color **27.1032, 0.2448, 0.2125** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.4596, 0.3673, 0.4256**, and the grayscale version is **27.6525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6753, 0.2702, 0.2517**, and **10.7883, 0.2224, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **20.1805, 0.2238, 0.1773**, and if you desaturate by 10%, it is **35.5898, 0.2649, 0.2466**.

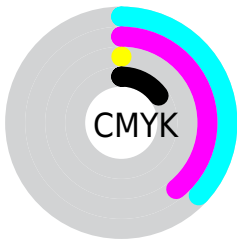
Distribution



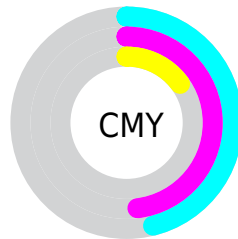
- Red (54%)
- Green (52%)
- Blue (85%)



- Red (54%)
- Yellow (52%)
- Blue (85%)



- Cyan (37%)
- Magenta (39%)
- Yellow (0%)
- Black (15%)





- Cyan (46%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1032, 0.2448, 0.2125 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 27.1032, 0.2448, 0.2125 by changing the saturation by 10% instead.


 27.1032, 0.2448,
0.2125


 27.1032, 0.2448,
0.2125


288.1564, 0.2814,
0.2708


 17.6507, 0.2351,
0.1983


 55.0494, 0.2586,
0.2335

 10.6995, 0.2224,
0.1806


 74.3120, 0.2636,
0.2414

 5.8652, 0.2053,
0.1578


 97.6134, 0.2678,
0.2482

 2.7633, 0.1814,
0.1283

125.3380, 0.2714,
0.2540

 1.0094, 0.1468,
0.0898

157.8702, 0.2744,
0.2590

 0.0000, 0.0885,
0.0000

195.5944, 0.2770,

 0.0000, 0.0000,

0.2635

0.0000

238.8950, 0.2793,
0.2673

■ 27.1032, 0.2448,
0.2125

■ 27.1032, 0.2448,
0.2125

■ 20.1805, 0.2238,
0.1773

■ 35.5898, 0.2649,
0.2466

■ 14.7234, 0.2032,
0.1429

■ 45.7245, 0.2834,
0.2783

■ 10.6273, 0.1843,
0.1120

■ 57.5892, 0.3000,
0.3069

■ 7.7721, 0.1687,
0.0872

■ 71.2593, 0.3145,
0.3321

■ 6.0172, 0.1578,
0.0703

■ 86.8059, 0.3271,
0.3541

■ 5.1551, 0.1517,
0.0615

■ 97.7888, 0.3352,
0.3661

■ 5.0748, 0.1512,
0.0607

Harmonies

Analogous

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



27.1032, 0.1967, 0.2123



27.1032, 0.2448, 0.2125



27.1032, 0.3178, 0.2360

Triad

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



27.1032, 0.2448, 0.2125



27.1032, 0.4685, 0.3904



27.1032, 0.2259, 0.3829

Complementary

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



27.1032, 0.2448, 0.2125



65.4596, 0.3673, 0.4256

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.



27.1032, 0.2921, 0.4557



27.1032, 0.2448, 0.2125



27.1032, 0.4331, 0.4444

Square

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



27.1032, 0.2448, 0.2125



27.1032, 0.4575, 0.3323



27.1032, 0.3679, 0.4754



27.1032, 0.1861, 0.2988

Rectangle

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



27.1032, 0.2448, 0.2125



27.1032, 0.3729, 0.2625



27.1032, 0.3679, 0.4754



27.1032, 0.2456, 0.4110

Sweetspot

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



27.1042, 0.2448, 0.2125



76.8899, 0.2946, 0.2975



58.1822, 0.2588, 0.3252



15.9685, 0.2924, 0.2938



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.



27.1042, 0.2448, 0.2125



31.1712, 0.2286, 0.1853



31.2290, 0.2801, 0.2230



12.6463, 0.2988, 0.3049



3.0854, 0.1516, 0.0609



0.2104, 0.1563, 0.0635

Inverse Universe

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



36.3334, 0.3209, 0.2379



46.2199, 0.3227, 0.2211



60.1033, 0.3351, 0.4369



13.2637, 0.3145, 0.3070



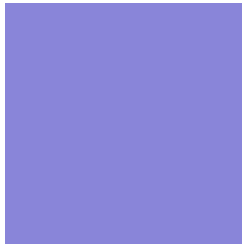
11.6547, 0.3330, 0.1608



0.7584, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 27.1032, 0.2448, 0.2125 looks on a white background.

Color Contrast Check

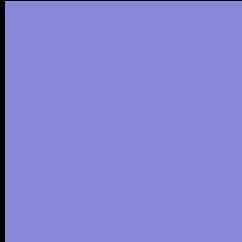
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1032, 0.2448, 0.2125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

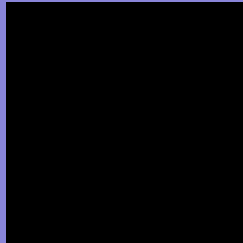
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1032, 0.2448, 0.2125

Background



This preview shows how black text looks on a background with the Yxy color 27.1032, 0.2448, 0.2125.



This preview shows how white text looks on a background with the Yxy color 27.1032, 0.2448, 0.2125.

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

27.1032, 0.2448, 0.2125

Protanopia

27.1187, 0.2248, 0.2104

Deuteranopia

27.0818, 0.2265, 0.2202



Tritanopia

27.2030, 0.2801, 0.3106

Trichromacy



Original Color

27.1032, 0.2448, 0.2125

Protanomaly

27.0517, 0.2313, 0.2113

Deuteranomaly

26.9864, 0.2324, 0.2166

Tritanomaly

26.8936, 0.2659, 0.2692

Monochromacy



Original Color

27.1032, 0.2448, 0.2125

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3592, 0.2845, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1032, 0.2448, 0.2125 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, 133, 217)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 217)  
}
```

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, 133, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 217) }
```

Border

The CSS property to change the border of an element to Yxy 27.1032, 0.2448, 0.2125 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, 133, 217) }
```

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

```
.border{ border-color:rgb(137, 133, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 133, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 217);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1032, 0.2448, 0.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 217) }
```

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

```
.background{ background-color: rgb(137,  
133, 217) }
```

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