

Converting Colors

$Y_{xy}(27.3855, 0.2469, 0.1978)$

Have a look what the booklet for
Yxy(27.3855, 0.2469, 0.1978)
contains.

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Color

Yxy(27.5238, 0.2472, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	9680E4
RGB	150, 128, 228
RGB Percent	59%, 50%, 89%
CMY	0.4120, 0.4980, 0.1058
CMYK	0.34, 0.44, 0.00, 0.11
HSL	253°, 65%, 70%
HSV	253°, 44%, 89%
XYZ	34.2938, 27.5238, 76.9113
YIQ	145.9780, -18.9880, 35.7640

Conversions

Conversions Part 2

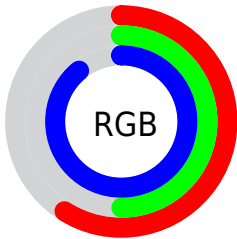
Format	Color
R_{YB}	150, 128, 228
Decimal	9863396
CIE _{Lab}	59.46, 30.71, -48.02
CIE _{LCh}	59, 57.003, 302.603
Yxy	27.5238, 0.2472, 0.1984
Android (android.graphics.Color)	4288053476 (0xFF9680E4)
YUV	145.9780, 40.4368, 3.5273
Hunter-Lab	52.4631, 24.8703, -50.1953

Details

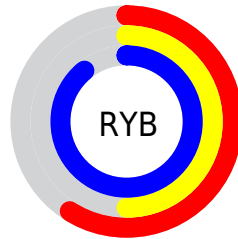
The Yxy color **27.5238, 0.2472, 0.1984** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.1858, 0.3609, 0.4434**, and the grayscale version is **28.5709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5331, 0.2797, 0.2483**, and **10.8602, 0.2253, 0.1643** is the 20% darker color. If you saturate the color by 10%, you get **20.6673, 0.2286, 0.1651**, and if you desaturate by 10%, it is **35.9752, 0.2649, 0.2317**.

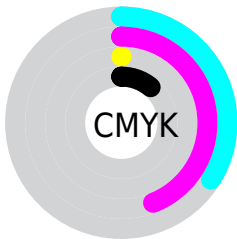
Distribution



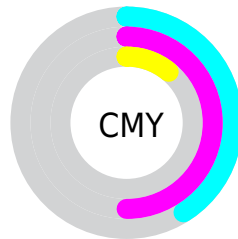
- Red (59%)
- Green (50%)
- Blue (89%)



- Red (59%)
- Yellow (50%)
- Blue (89%)



- Cyan (34%)
- Magenta (44%)
- Yellow (0%)
- Black (11%)




- Cyan (41%)
- Magenta (50%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5238, 0.2472, 0.1984 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 27.5238, 0.2472, 0.1984 by changing the saturation by 10% instead.

 27.5238, 0.2472,
0.1984


 27.5238, 0.2472,
0.1984


290.1844, 0.2827,
0.2621


 17.9670, 0.2378,
0.1835


 55.7233, 0.2606,
0.2209

 10.9263, 0.2255,
0.1651


 75.1347, 0.2655,
0.2296

 6.0173, 0.2090,
0.1421


 98.5998, 0.2696,
0.2370

 2.8556, 0.1861,
0.1131

126.5030, 0.2730,
0.2434

 1.0568, 0.1534,
0.0770

159.2287, 0.2760,
0.2490

 0.0000, 0.1089,
0.0000

197.1612, 0.2785,

 0.0000, 0.0000,

0.2539

0.0000

240.6850, 0.2808,
0.2582

■ 27.5238, 0.2472,
0.1984

■ 27.5238, 0.2472,
0.1984

■ 20.6673, 0.2286,
0.1651

■ 35.9752, 0.2649,
0.2317

■ 15.3005, 0.2101,
0.1337

■ 46.1115, 0.2811,
0.2634

■ 11.3102, 0.1927,
0.1064

■ 58.0193, 0.2956,
0.2929

■ 8.5650, 0.1777,
0.0852

■ 71.7787, 0.3083,
0.3195

■ 6.9067, 0.1660,
0.0713

■ 87.4646, 0.3192,
0.3433

■ 6.2801, 0.1606,
0.0658

■ 98.3820, 0.3286,
0.3552

Harmonies

Analogous

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



27.5238, 0.1869, 0.1920



27.5238, 0.2472, 0.1984



27.5238, 0.3367, 0.2296

Triad

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



27.5238, 0.2472, 0.1984



27.5238, 0.4900, 0.4085



27.5238, 0.1984, 0.3719

Complementary

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



27.5238, 0.2472, 0.1984



70.1858, 0.3609, 0.4434

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.



27.5238, 0.2691, 0.4703



27.5238, 0.2472, 0.1984



27.5238, 0.4374, 0.4714

Square

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



27.5238, 0.2472, 0.1984



27.5238, 0.4917, 0.3422



27.5238, 0.3566, 0.5052



27.5238, 0.1615, 0.2744

Rectangle

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



27.5238, 0.2472, 0.1984



27.5238, 0.4023, 0.2617



27.5238, 0.3566, 0.5052



27.5238, 0.2187, 0.4080

Sweetspot

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



27.5248, 0.2472, 0.1984



76.0605, 0.2967, 0.2950



54.5024, 0.2488, 0.3009



15.4984, 0.2936, 0.2888



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.



27.5248, 0.2472, 0.1984



27.0522, 0.2296, 0.1668



33.2813, 0.2911, 0.2131



14.0387, 0.3014, 0.3049



3.6686, 0.1617, 0.0664



0.3114, 0.1756, 0.0741

Inverse Universe

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



36.4000, 0.3390, 0.2426



40.1131, 0.3466, 0.2258



64.1548, 0.3245, 0.4583



14.5583, 0.3171, 0.3108



11.3988, 0.3854, 0.1897



0.8558, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 27.5238, 0.2472, 0.1984 looks on a white background.

Color Contrast Check

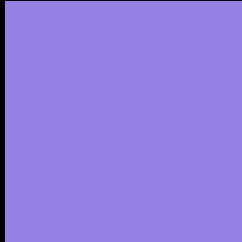
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5238, 0.2472, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

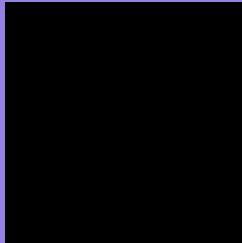
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5238, 0.2472, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 27.5238, 0.2472, 0.1984.



This preview shows how white text looks on a background with the Yxy color 27.5238, 0.2472, 0.1984.

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

27.5238, 0.2472, 0.1984

Protanopia

27.8129, 0.2118, 0.1936

Deuteranopia

27.7338, 0.2174, 0.2111



Tritanopia

27.4977, 0.2922, 0.3095

Trichromacy



Original Color

27.5238, 0.2472, 0.1984

Protanomaly

27.5284, 0.2224, 0.1950

Deuteranomaly

27.5195, 0.2269, 0.2062

Tritanomaly

27.1298, 0.2740, 0.2622

Monochromacy



Original Color

27.5238, 0.2472, 0.1984

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8029, 0.2858, 0.2731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5238, 0.2472, 0.1984 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(150, 128, 228)` looks like.

```
.text, #text, p{  
    color:rgb(150, 128, 228)  
}
```

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(150, 128, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 228) }
```

Border

The CSS property to change the border of an element to Yxy 27.5238, 0.2472, 0.1984 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(150, 128, 228) }
```

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

```
.border{ border-color:rgb(150, 128, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 128, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 128, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 128, 228);  
box-shadow:4px 4px 4px 4px rgb(150, 128,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5238, 0.2472, 0.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 228) }
```

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

```
.background{ background-color: rgb(150,  
128, 228) }
```

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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