

Converting Colors

$Y_{xy}(30.5948, 0.2484, 0.2158)$

Have a look what the booklet for
Yxy(30.5948, 0.2484, 0.2158)
contains.

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Color

Yxy(30.4502, 0.2482, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	938CE2
RGB	147, 140, 226
RGB Percent	58%, 55%, 89%
CMY	0.4236, 0.4509, 0.1137
CMYK	0.35, 0.38, 0.00, 0.11
HSL	245°, 60%, 72%
HSV	245°, 38%, 89%
XYZ	35.1359, 30.4502, 75.9769
YIQ	151.8970, -23.4340, 28.2300

Conversions

Conversions Part 2

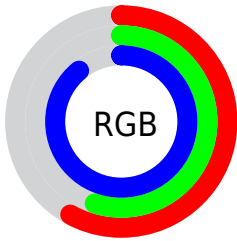
Format	Color
R_{YB}	147, 140, 226
Decimal	9669858
CIE _{Lab}	62.04, 22.46, -42.84
CIE _{LCh}	62, 48.372, 297.670
Yxy	30.4502, 0.2482, 0.2151
Android (android.graphics.Color)	4287859938 (0xFF938CE2)
YUV	151.8970, 36.5328, -4.2947
Hunter-Lab	55.1817, 17.0886, -43.0062

Details

The Yxy color **30.4502, 0.2482, 0.2151** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.3500, 0.3643, 0.4250**, and the grayscale version is **31.1999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5001, 0.2778, 0.2622**, and **12.5418, 0.2282, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **22.7613, 0.2277, 0.1801**, and if you desaturate by 10%, it is **39.8441, 0.2677, 0.2489**.

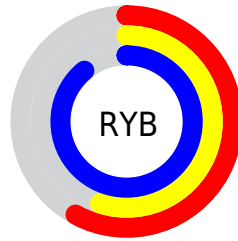
Distribution



Red (58%)

Green (55%)

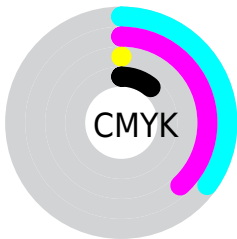
Blue (89%)



Red (58%)

Yellow (55%)

Blue (89%)

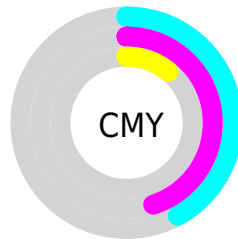


Cyan (35%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (42%)


Magenta (45%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4502, 0.2482, 0.2151 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 30.4502, 0.2482, 0.2151 by changing the saturation by 10% instead.


 30.4502, 0.2482,
0.2151


 30.4502, 0.2482,
0.2151


303.9973, 0.2824,
0.2711


 20.1806, 0.2393,
0.2018


 60.3734, 0.2610,
0.2350

 12.5264, 0.2277,
0.1851


 80.7958, 0.2657,
0.2427

 7.1032, 0.2123,
0.1640


 105.3712, 0.2696,
0.2492

 3.5267, 0.1909,
0.1367

134.4840, 0.2729,
0.2548

 1.4125, 0.1603,
0.1011

168.5186, 0.2758,
0.2597

 0.2259, 0.1175,
0.0348

207.8594, 0.2783,

 0.0000, 0.0000,

0.2639

0.0000

252.8909, 0.2805,
0.2677

■ 30.4502, 0.2482,
0.2151

■ 30.4502, 0.2482,
0.2151

■ 22.7613, 0.2277,
0.1801

■ 39.8441, 0.2677,
0.2489

■ 16.6718, 0.2072,
0.1459

■ 51.0334, 0.2855,
0.2803

■ 12.0694, 0.1882,
0.1149

■ 64.1061, 0.3014,
0.3086

■ 8.8262, 0.1721,
0.0896

■ 79.1434, 0.3153,
0.3336

■ 6.7922, 0.1602,
0.0720

■ 96.2218, 0.3273,
0.3555

■ 5.7618, 0.1531,
0.0625

■ 98.2710, 0.3298,
0.3572

■ 5.6229, 0.1521,
0.0612

Harmonies

Analogous

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



30.4502, 0.2001, 0.2142



30.4502, 0.2482, 0.2151



30.4502, 0.3203, 0.2389

Triad

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



30.4502, 0.2482, 0.2151



30.4502, 0.4647, 0.3915



30.4502, 0.2262, 0.3790

Complementary

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



30.4502, 0.2482, 0.2151



71.3500, 0.3643, 0.4250

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.



30.4502, 0.2905, 0.4508



30.4502, 0.2482, 0.2151



30.4502, 0.4292, 0.4437

Square

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



30.4502, 0.2482, 0.2151



30.4502, 0.4553, 0.3343



30.4502, 0.3648, 0.4723



30.4502, 0.1879, 0.2975

Rectangle

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



30.4502, 0.2482, 0.2151



30.4502, 0.3741, 0.2653



30.4502, 0.3648, 0.4723



30.4502, 0.2453, 0.4064

Sweetspot

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



30.4513, 0.2482, 0.2151



78.8261, 0.2968, 0.3004



62.3941, 0.2589, 0.3217



16.3604, 0.2947, 0.2966



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.



30.4513, 0.2482, 0.2151



31.5344, 0.2313, 0.1862



35.0347, 0.2832, 0.2254



13.2962, 0.2993, 0.3048



3.2282, 0.1527, 0.0615



0.2425, 0.1602, 0.0656

Inverse Universe

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



40.0429, 0.3234, 0.2419



45.9729, 0.3262, 0.2243



65.6656, 0.3327, 0.4359



13.9154, 0.3150, 0.3077



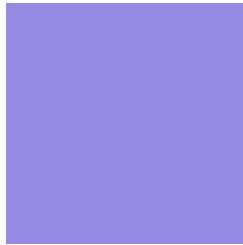
11.8212, 0.3423, 0.1660



0.8251, 0.3387, 0.1639

Previews

White Background



This preview shows how the Yxy color 30.4502, 0.2482, 0.2151 looks on a white background.

Color Contrast Check

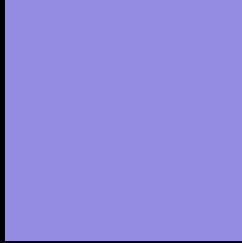
Large Text (above 18pt) WCAG AA × Fail

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 30.4502, 0.2482, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

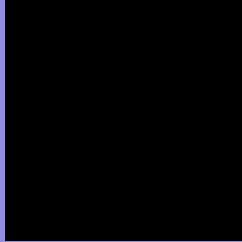
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4502, 0.2482, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 30.4502, 0.2482, 0.2151.



This preview shows how white text looks on a background with the Yxy color 30.4502, 0.2482, 0.2151.

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

30.4502, 0.2482, 0.2151

Protanopia

30.6156, 0.2268, 0.2130

Deuteranopia

30.5897, 0.2296, 0.2237



Tritanopia

30.4856, 0.2832, 0.3100

Trichromacy



Original Color

30.4502, 0.2482, 0.2151

Protanomaly

30.3268, 0.2336, 0.2127

Deuteranomaly

30.5060, 0.2355, 0.2202

Tritanomaly

30.1709, 0.2695, 0.2707

Monochromacy



Original Color

30.4502, 0.2482, 0.2151

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9185, 0.2867, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4502, 0.2482, 0.2151 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(147, 140, 226)` looks like.

```
.text, #text, p{  
    color:rgb(147, 140, 226)  
}
```

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(147, 140, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 140, 226) }
```

Border

The CSS property to change the border of an element to Yxy 30.4502, 0.2482, 0.2151 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(147, 140, 226) }
```

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

```
.border{ border-color:rgb(147, 140, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 140, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 140, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 140, 226);  
box-shadow:4px 4px 4px 4px rgb(147, 140,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4502, 0.2482, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 140, 226) }
```

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

```
.background{ background-color: rgb(147,  
140, 226) }
```

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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