

Converting Colors

$Y_{xy}(32.6998, 0.2450, 0.2141)$

Have a look what the booklet for
Yxy(32.6998, 0.2450, 0.2141)
contains.

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Color

Yxy(32.5449, 0.2443, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	9491EB
RGB	148, 145, 235
RGB Percent	58%, 57%, 92%
CMY	0.4198, 0.4313, 0.0784
CMYK	0.37, 0.38, 0.00, 0.08
HSL	242°, 69%, 75%
HSV	242°, 38%, 92%
XYZ	37.3273, 32.5449, 82.9207
YIQ	156.1570, -27.1020, 28.6260

Conversions

Conversions Part 2

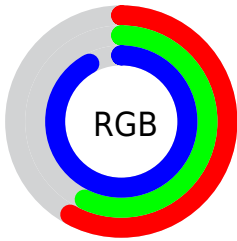
Format	Color
RYB	148, 145, 235
Decimal	9736683
CIELab	63.79, 22.23, -45.07
CIELCh	64, 50.255, 296.254
Yxy	32.5449, 0.2443, 0.2130
Android (android.graphics.Color)	4287926763 (0xFF9491EB)
YUV	156.1570, 38.8696, -7.1537
Hunter-Lab	57.0481, 16.9606, -46.2456

Details

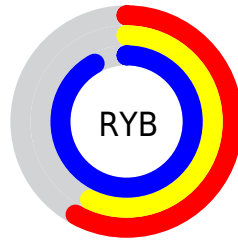
The Yxy color **32.5449, 0.2443, 0.2130** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.6386, 0.3680, 0.4247**, and the grayscale version is **33.1495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0460, 0.2795, 0.2681**, and **13.7662, 0.2234, 0.1837** is the 20% darker color. If you saturate the color by 10%, you get **24.1754, 0.2230, 0.1775**, and if you desaturate by 10%, it is **42.8186, 0.2647, 0.2474**.

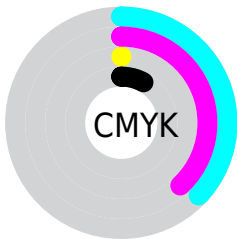
Distribution



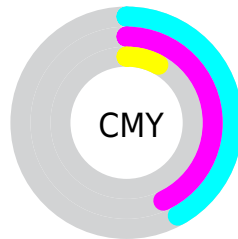
- Red (58%)
- Green (57%)
- Blue (92%)



- Red (58%)
- Yellow (57%)
- Blue (92%)



- Cyan (37%)
- Magenta (38%)
- Yellow (0%)
- Black (8%)



- Cyan (42%)
- Magenta (43%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5449, 0.2443, 0.2130 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 32.5449, 0.2443, 0.2130 by changing the saturation by 10% instead.

■ 32.5449, 0.2443,
0.2130

■ 32.5449, 0.2443,
0.2130

■ 313.5940, 0.2800,
0.2693

■ 21.7780, 0.2352,
0.1998

■ 63.6643, 0.2575,
0.2329

■ 13.6939, 0.2235,
0.1835

■ 84.7857, 0.2624,
0.2405

■ 7.9081, 0.2081,
0.1629

■ 110.1274, 0.2665,
0.2471

■ 4.0362, 0.1871,
0.1365

■ 140.0738, 0.2700,
0.2528

■ 1.6938, 0.1575,
0.1027

■ 175.0092, 0.2730,
0.2577

■ 0.4197, 0.1164,
0.0517

■ 215.3181, 0.2757,

■ 0.0000, 0.0000,

0.2620

0.0000

261.3849, 0.2780,
0.2659

■ 32.5449, 0.2443,
0.2130

■ 32.5449, 0.2443,
0.2130

■ 24.1754, 0.2230,
0.1775

■ 42.8186, 0.2647,
0.2474

■ 17.5897, 0.2021,
0.1428

■ 55.0998, 0.2835,
0.2792

■ 12.6595, 0.1832,
0.1117

■ 69.4886, 0.3003,
0.3078

■ 9.2376, 0.1677,
0.0867

■ 86.0773, 0.3151,
0.3331

■ 7.1510, 0.1570,
0.0699

■ 98.7789, 0.3244,
0.3483

■ 6.1608, 0.1513,
0.0614

■ 6.0483, 0.1507,
0.0604

Harmonies

Analogous

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



32.5449, 0.1969, 0.2132



32.5449, 0.2443, 0.2130



32.5449, 0.3165, 0.2361

Triad

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



32.5449, 0.2443, 0.2130



32.5449, 0.4676, 0.3893



32.5449, 0.2274, 0.3839

Complementary

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



32.5449, 0.2443, 0.2130



78.6386, 0.3680, 0.4247

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.



32.5449, 0.2935, 0.4554



32.5449, 0.2443, 0.2130



32.5449, 0.4332, 0.4430

Square

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



32.5449, 0.2443, 0.2130



32.5449, 0.4558, 0.3315



32.5449, 0.3688, 0.4742



32.5449, 0.1873, 0.3003

Rectangle

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



32.5449, 0.2443, 0.2130



32.5449, 0.3712, 0.2623



32.5449, 0.3688, 0.4742



32.5449, 0.2471, 0.4116

Sweetspot

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



32.5461, 0.2443, 0.2130



78.6024, 0.2959, 0.3003



70.5889, 0.2593, 0.3271



16.3076, 0.2937, 0.2965



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.



32.5461, 0.2443, 0.2130



31.0192, 0.2275, 0.1849



37.3984, 0.2790, 0.2233



14.5723, 0.2985, 0.3047



3.3763, 0.1510, 0.0606



0.2734, 0.1538, 0.0621

Inverse Universe

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



43.7515, 0.3197, 0.2372



46.3275, 0.3212, 0.2197



72.2258, 0.3361, 0.4358



15.3048, 0.3143, 0.3065



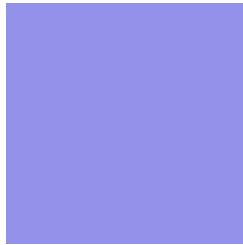
12.9311, 0.3292, 0.1587



1.0181, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 32.5449, 0.2443, 0.2130 looks on a white background.

Color Contrast Check

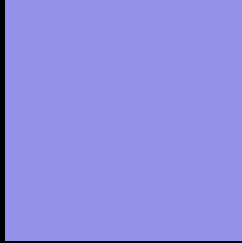
Large Text (above 18pt) WCAG AA × Fail

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 32.5449, 0.2443, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

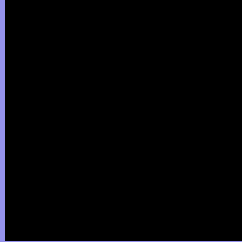
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5449, 0.2443, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 32.5449, 0.2443, 0.2130.



This preview shows how white text looks on a background with the Yxy color 32.5449, 0.2443, 0.2130.

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

32.5449, 0.2443, 0.2130

Protanopia

32.6217, 0.2252, 0.2101

Deuteranopia

32.7763, 0.2270, 0.2214



Tritanopia

32.3805, 0.2789, 0.3088

Trichromacy



Original Color

32.5449, 0.2443, 0.2130

Protanomaly

32.5522, 0.2313, 0.2110

Deuteranomaly

32.6629, 0.2325, 0.2181

Tritanomaly

32.0808, 0.2651, 0.2690

Monochromacy



Original Color

32.5449, 0.2443, 0.2130

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7316, 0.2847, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5449, 0.2443, 0.2130 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(148, 145, 235)` looks like.

```
.text, #text, p{  
    color:rgb(148, 145, 235)  
}
```

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(148, 145, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 145, 235) }
```

Border

The CSS property to change the border of an element to Yxy 32.5449, 0.2443, 0.2130 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(148, 145, 235) }
```

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

```
.border{ border-color:rgb(148, 145, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 145, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 145, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 145, 235);  
box-shadow:4px 4px 4px 4px rgb(148, 145,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5449, 0.2443, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 145, 235) }
```

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

```
.background{ background-color: rgb(148,  
145, 235) }
```

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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