

Converting Colors

$Y_{xy}(32.5813, 0.2470, 0.2139)$

Have a look what the booklet for
Yxy(32.5813, 0.2470, 0.2139)
contains.

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Color

Yxy(32.4663, 0.2470, 0.2133)

Conversions

Conversions Part 1

Format	Color
Hex	9790EA
RGB	151, 144, 234
RGB Percent	59%, 56%, 92%
CMY	0.4077, 0.4354, 0.0822
CMYK	0.35, 0.38, 0.00, 0.08
HSL	245°, 68%, 74%
HSV	245°, 38%, 92%
XYZ	37.5958, 32.4663, 82.1475
YIQ	156.3530, -24.7180, 29.4740

Conversions

Conversions Part 2

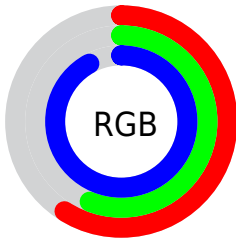
Format	Color
RYB	151, 144, 234
Decimal	9933034
CIELab	63.73, 23.38, -44.61
CIELCh	64, 50.369, 297.661
Yxy	32.4663, 0.2470, 0.2133
Android (android.graphics.Color)	4288123114 (0xFF9790EA)
YUV	156.3530, 38.2800, -4.6946
Hunter-Lab	56.9792, 18.0635, -45.5936

Details

The Yxy color **32.4663, 0.2470, 0.2133** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.2004, 0.3651, 0.4262**, and the grayscale version is **33.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0181, 0.2815, 0.2673**, and **13.7066, 0.2265, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **24.2200, 0.2264, 0.1782**, and if you desaturate by 10%, it is **42.5618, 0.2666, 0.2473**.

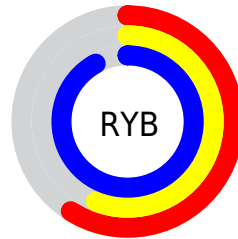
Distribution



Red (59%)

Green (56%)

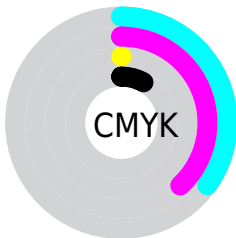
Blue (92%)



Red (59%)

Yellow (56%)

Blue (92%)

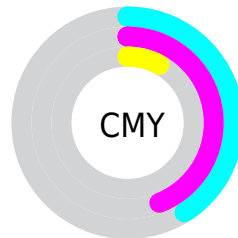


Cyan (35%)

Magenta (38%)

Yellow (0%)

Black (8%)



Cyan (41%)

Magenta (44%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4663, 0.2470, 0.2133 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 32.4663, 0.2470, 0.2133 by changing the saturation by 10% instead.

■ 32.4663, 0.2470,
0.2133

■ 32.4663, 0.2470,
0.2133

■ 313.2380, 0.2815,
0.2695

■ 21.7179, 0.2382,
0.2001

■ 63.5414, 0.2597,
0.2331

■ 13.6498, 0.2268,
0.1838

■ 84.6369, 0.2645,
0.2408

■ 7.8775, 0.2118,
0.1633

■ 109.9502, 0.2685,
0.2473

■ 4.0167, 0.1912,
0.1370

■ 139.8657, 0.2718,
0.2529

■ 1.6829, 0.1621,
0.1031

■ 174.7679, 0.2747,
0.2579

■ 0.4125, 0.1212,
0.0516

■ 215.0410, 0.2773,

■ 0.0000, 0.0000,

0.2622

0.0000

261.0696, 0.2795,
0.2660

■ 32.4663, 0.2470,
0.2133

■ 32.4663, 0.2470,
0.2133

■ 24.2200, 0.2264,
0.1782

■ 42.5618, 0.2666,
0.2473

■ 17.7070, 0.2059,
0.1440

■ 54.6054, 0.2846,
0.2789

■ 12.8045, 0.1869,
0.1131

■ 68.6936, 0.3007,
0.3074

■ 9.3715, 0.1711,
0.0882

■ 84.9150, 0.3147,
0.3326

■ 7.2427, 0.1595,
0.0711

■ 98.7221, 0.3250,
0.3493

■ 6.1860, 0.1527,
0.0621

■ 6.0741, 0.1520,
0.0611

Harmonies

Analogous

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



32.4663, 0.1982, 0.2123



32.4663, 0.2470, 0.2133



32.4663, 0.3203, 0.2374

Triad

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



32.4663, 0.2470, 0.2133



32.4663, 0.4674, 0.3921



32.4663, 0.2246, 0.3800

Complementary

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



32.4663, 0.2470, 0.2133



77.2004, 0.3651, 0.4262

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.



32.4663, 0.2899, 0.4535



32.4663, 0.2470, 0.2133



32.4663, 0.4310, 0.4454

Square

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



32.4663, 0.2470, 0.2133



32.4663, 0.4580, 0.3341



32.4663, 0.3655, 0.4751



32.4663, 0.1858, 0.2967

Rectangle

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



32.4663, 0.2470, 0.2133



32.4663, 0.3751, 0.2642



32.4663, 0.3655, 0.4751



32.4663, 0.2440, 0.4081

Sweetspot

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



32.4675, 0.2470, 0.2133



77.0448, 0.2952, 0.2976



67.3706, 0.2583, 0.3216



16.0046, 0.2931, 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.



32.4675, 0.2470, 0.2133



31.5045, 0.2311, 0.1862



37.4873, 0.2827, 0.2239



14.6053, 0.2992, 0.3047



3.4332, 0.1525, 0.0614



0.2892, 0.1591, 0.0650

Inverse Universe

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



42.9833, 0.3234, 0.2406



45.9927, 0.3259, 0.2241



70.9424, 0.3330, 0.4375



15.2922, 0.3150, 0.3076



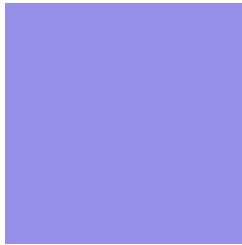
12.6145, 0.3416, 0.1656



0.9966, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 32.4663, 0.2470, 0.2133 looks on a white background.

Color Contrast Check

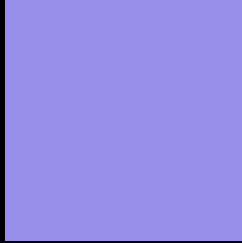
Large Text (above 18pt) WCAG AA × Fail

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 32.4663, 0.2470, 0.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

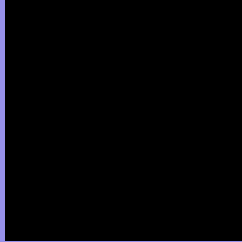
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4663, 0.2470, 0.2133

Background



This preview shows how black text looks on a background with the Yxy color 32.4663, 0.2470, 0.2133.



This preview shows how white text looks on a background with the Yxy color 32.4663, 0.2470, 0.2133.

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

32.4663, 0.2470, 0.2133

Protanopia

32.5621, 0.2257, 0.2111

Deuteranopia

32.7889, 0.2281, 0.2226



Tritanopia

32.3346, 0.2831, 0.3089

Trichromacy



Original Color

32.4663, 0.2470, 0.2133

Protanomaly

32.3394, 0.2329, 0.2110

Deuteranomaly

32.4417, 0.2340, 0.2181

Tritanomaly

32.0575, 0.2689, 0.2693

Monochromacy



Original Color

32.4663, 0.2470, 0.2133

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7872, 0.2865, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4663, 0.2470, 0.2133 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(151, 144, 234)` looks like.

```
.text, #text, p{  
    color:rgb(151, 144, 234)  
}
```

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(151, 144, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 144, 234) }
```

Border

The CSS property to change the border of an element to Yxy 32.4663, 0.2470, 0.2133 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(151, 144, 234) }
```

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

```
.border{ border-color:rgb(151, 144, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 144, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 144, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 144, 234); box-shadow:4px 4px 4px 4px rgb(151, 144, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4663, 0.2470, 0.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 144, 234) }
```

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

```
.background{ background-color: rgb(151,  
144, 234) }
```

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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