

Converting Colors

$Y_{xy}(32.2845, 0.2413, 0.1882)$

Have a look what the booklet for
Yxy(32.2845, 0.2413, 0.1882)
contains.

Yxy(32.3411, 0.2413, 0.1885)	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(32.3411, 0.2413, 0.1885)

Conversions

Conversions Part 1

Format	Color
Hex	A188FE
RGB	161, 136, 254
RGB Percent	63%, 53%, 100%
CMY	0.3684, 0.4667, 0.0039
CMYK	0.37, 0.46, 0.00, 0.00
HSL	253°, 98%, 76%
HSV	253°, 46%, 100%
XYZ	41.4000, 32.3411, 97.8297
YIQ	156.9270, -22.9780, 41.9980

Conversions

Conversions Part 2

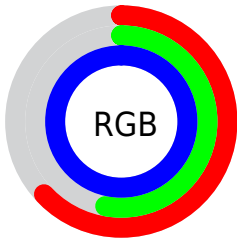
Format	Color
R_{YB}	161, 136, 254
Decimal	10586366
CIE _{Lab}	63.62, 35.81, -55.71
CIE _{LCh}	64, 66.224, 302.734
Yxy	32.3411, 0.2413, 0.1885
Android (android.graphics.Color)	4288776446 (0xFFA188FE)
YUV	156.9270, 47.8570, 3.5720
Hunter-Lab	56.8692, 30.4244, -62.1856

Details

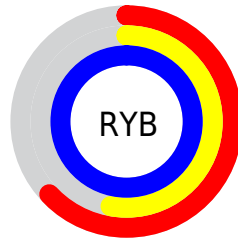
The Yxy color **32.3411, 0.2413, 0.1885** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.3099, 0.3641, 0.4506**, and the grayscale version is **33.4742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1070, 0.2889, 0.2600**, and **13.6299, 0.2192, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **24.1012, 0.2224, 0.1553**, and if you desaturate by 10%, it is **42.6107, 0.2596, 0.2222**.

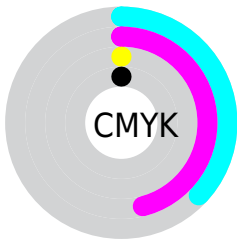
Distribution



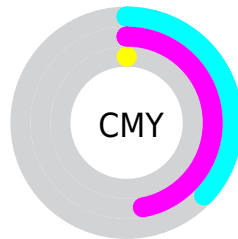
- Red (63%)
- Green (53%)
- Blue (100%)



- Red (63%)
- Yellow (53%)
- Blue (100%)



- Cyan (37%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3411, 0.2413, 0.1885 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 32.3411, 0.2413, 0.1885 by changing the saturation by 10% instead.


 32.3411, 0.2413,
0.1885


 32.3411, 0.2413,
0.1885


312.6702, 0.2789,
0.2542

 21.6222, 0.2318,
0.1739


 63.3454, 0.2551,
0.2111

 13.5795, 0.2197,
0.1563


 84.3996, 0.2603,
0.2199

 7.8288, 0.2040,
0.1349

 109.6677, 0.2646,
0.2276

 3.9856, 0.1829,
0.1087

139.5341, 0.2683,
0.2343

 1.6655, 0.1541,
0.0772

174.3831, 0.2715,
0.2402

 0.4012, 0.1154,
0.0349

214.5992, 0.2743,

 0.0000, 0.0380,

0.2454

0.0000

260.5667, 0.2767,
0.2500

■ 0.0000, 0.0000,
0.0000

■ 32.3411, 0.2413,
0.1885

■ 32.3411, 0.2413,
0.1885

■ 24.1012, 0.2224,
0.1553

■ 42.6107, 0.2596,
0.2222

■ 17.7501, 0.2039,
0.1246

■ 55.0310, 0.2765,
0.2548

■ 13.1342, 0.1870,
0.0988

■ 69.7175, 0.2917,
0.2851

■ 10.0732, 0.1729,
0.0796

■ 86.7764, 0.3050,
0.3127

■ 8.3443, 0.1624,
0.0681

■ 99.9361, 0.3133,
0.3299

■ 7.9395, 0.1596,
0.0653

Harmonies

Analogous

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



32.3411, 0.1770, 0.1812



32.3411, 0.2413, 0.1885



32.3411, 0.3388, 0.2217

Triad

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



32.3411, 0.2413, 0.1885



32.3411, 0.5046, 0.4118



32.3411, 0.1876, 0.3751

Complementary

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



32.3411, 0.2413, 0.1885



89.3099, 0.3641, 0.4506

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.



32.3411, 0.2630, 0.4866



32.3411, 0.2413, 0.1885



32.3411, 0.4453, 0.4817

Square

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



32.3411, 0.2413, 0.1885



32.3411, 0.5090, 0.3410



32.3411, 0.3573, 0.5232



32.3411, 0.1493, 0.2673

Rectangle

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



32.3411, 0.2413, 0.1885



32.3411, 0.4113, 0.2559



32.3411, 0.3573, 0.5232



32.3411, 0.2090, 0.4160

Sweetspot

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



32.3423, 0.2413, 0.1885



74.3519, 0.2951, 0.2922



69.2053, 0.2456, 0.3011



15.1601, 0.2921, 0.2860



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.



32.3423, 0.2413, 0.1885



24.6513, 0.2233, 0.1567



39.7569, 0.2875, 0.2049



17.5637, 0.3012, 0.3046



4.2366, 0.1607, 0.0659



0.4571, 0.1709, 0.0715

Inverse Universe

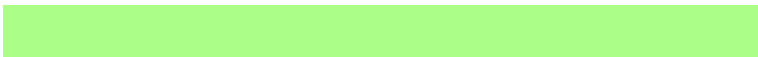
The Inverse Universe completely reimagines the original color for something new.



44.3280, 0.3405, 0.2365



38.3102, 0.3481, 0.2200



81.3653, 0.3260, 0.4673



18.2304, 0.3171, 0.3105



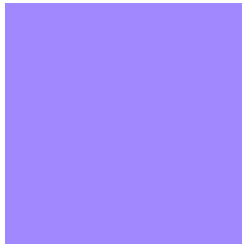
13.3307, 0.3834, 0.1886



1.3137, 0.3748, 0.1839

Previews

White Background



This preview shows how the Yxy color 32.3411, 0.2413, 0.1885 looks on a white background.

Color Contrast Check

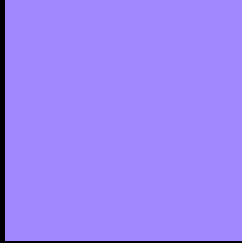
Large Text (above 18pt) WCAG AA × Fail

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 32.3411, 0.2413, 0.1885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

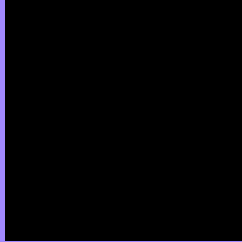
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3411, 0.2413, 0.1885

Background



This preview shows how black text looks on a background with the Yxy color 32.3411, 0.2413, 0.1885.



This preview shows how white text looks on a background with the Yxy color 32.3411, 0.2413, 0.1885.

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

32.3411, 0.2413, 0.1885

Protanopia

32.7327, 0.2130, 0.1955

Deuteranopia

32.8316, 0.2091, 0.2031



Tritanopia

32.3549, 0.2891, 0.3106

Trichromacy



Original Color

32.3411, 0.2413, 0.1885

Protanomaly

32.4449, 0.2216, 0.1923

Deuteranomaly

32.1379, 0.2187, 0.1966

Tritanomaly

32.0080, 0.2700, 0.2583

Monochromacy



Original Color

32.3411, 0.2413, 0.1885

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.5698, 0.2833, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3411, 0.2413, 0.1885 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(161, 136, 254)` looks like.

```
.text, #text, p{  
    color:rgb(161, 136, 254)  
}
```

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(161, 136, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 136, 254) }
```

Border

The CSS property to change the border of an element to Yxy 32.3411, 0.2413, 0.1885 is called "border". The border property can be set on classes, ids or directly on the HTML element.

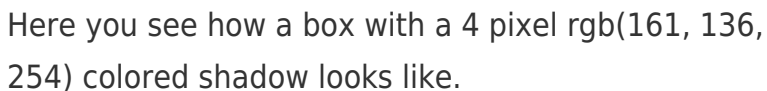
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 136, 254) }
```

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

```
.border{ border-color:rgb(161, 136, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(161, 136, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 136, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 136, 254); box-shadow:4px 4px 4px 4px rgb(161, 136, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3411, 0.2413, 0.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 136, 254) }
```

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

```
.background{ background-color: rgb(161,  
136, 254) }
```

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