

Converting Colors

$Y_{xy}(33.0529, 0.2460, 0.1964)$

Have a look what the booklet for
Yxy(33.0529, 0.2460, 0.1964)
contains.

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Color

Yxy(33.0913, 0.2461, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	A38BF9
RGB	163, 139, 249
RGB Percent	64%, 55%, 98%
CMY	0.3610, 0.4548, 0.0236
CMYK	0.35, 0.44, 0.00, 0.02
HSL	253°, 90%, 76%
HSV	253°, 44%, 98%
XYZ	41.4230, 33.0913, 93.8036
YIQ	158.7160, -21.0060, 39.2980

Conversions

Conversions Part 2

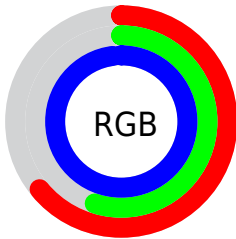
Format	Color
R _{YB}	163, 139, 249
Decimal	10718201
CIE _{Lab}	64.23, 33.25, -51.97
CIE _{LCh}	64, 61.694, 302.609
Y _{xy}	33.0913, 0.2461, 0.1966
Android (android.graphics.Color)	4288908281 (0xFFA38BF9)
Y _{UV}	158.7160, 44.5100, 3.7571
Hunter-Lab	57.5250, 27.8667, -56.4141

Details

The Yxy color **33.0913, 0.2461, 0.1966** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.6166, 0.3615, 0.4447**, and the grayscale version is **34.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7321, 0.2904, 0.2635**, and **14.0763, 0.2258, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **24.7835, 0.2274, 0.1632**, and if you desaturate by 10%, it is **43.3599, 0.2640, 0.2301**.

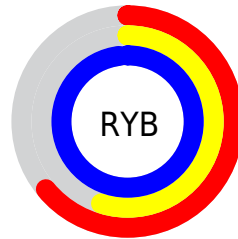
Distribution



Red (64%)

Green (55%)

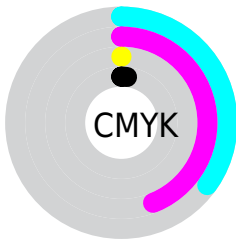
Blue (98%)



Red (64%)

Yellow (55%)

Blue (98%)

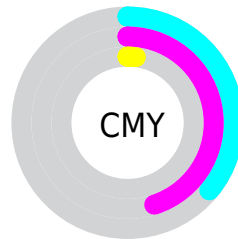


Cyan (35%)

Magenta (44%)

Yellow (0%)

Black (2%)



Cyan (36%)


Magenta (45%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0913, 0.2461, 0.1966 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 33.0913, 0.2461, 0.1966 by changing the saturation by 10% instead.


 33.0913, 0.2461,
0.1966


 33.0913, 0.2461,
0.1966


316.0609, 0.2812,
0.2590

 22.1964, 0.2372,
0.1826

 64.5180, 0.2590,
0.2182

 14.0013, 0.2258,
0.1655

 85.8187, 0.2638,
0.2266

 8.1216, 0.2109,
0.1445


 111.3567, 0.2679,
0.2339

 4.1728, 0.1907,
0.1185

141.5164, 0.2713,
0.2402

 1.7707, 0.1627,
0.0866

176.6823, 0.2743,
0.2458

 0.4688, 0.1240,
0.0437

217.2388, 0.2769,

 0.0000, 0.0427,

0.2507

0.0000

263.5702, 0.2792,
0.2551

■ 0.0000, 0.0000,
0.0000

■ 33.0913, 0.2461,
0.1966

■ 33.0913, 0.2461,
0.1966

■ 24.7835, 0.2274,
0.1632

■ 43.3599, 0.2640,
0.2301

■ 18.3055, 0.2087,
0.1318

■ 55.7015, 0.2804,
0.2621

■ 13.5159, 0.1914,
0.1047

■ 70.2240, 0.2951,
0.2918

■ 10.2501, 0.1765,
0.0838

■ 87.0266, 0.3079,
0.3187

■ 8.3089, 0.1651,
0.0704

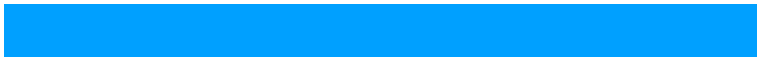
■ 99.6178, 0.3162,
0.3348

■ 7.6263, 0.1601,
0.0656

Harmonies

Analogous

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



33.0913, 0.1850, 0.1900



33.0913, 0.2461, 0.1966



33.0913, 0.3370, 0.2281

Triad

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



33.0913, 0.2461, 0.1966



33.0913, 0.4927, 0.4091



33.0913, 0.1965, 0.3726

Complementary

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



33.0913, 0.2461, 0.1966



85.6166, 0.3615, 0.4447

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.



33.0913, 0.2681, 0.4732



33.0913, 0.2461, 0.1966



33.0913, 0.4389, 0.4732

Square

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



33.0913, 0.2461, 0.1966



33.0913, 0.4947, 0.3420



33.0913, 0.3568, 0.5084



33.0913, 0.1593, 0.2732

Rectangle

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



33.0913, 0.2461, 0.1966



33.0913, 0.4038, 0.2606



33.0913, 0.3568, 0.5084



33.0913, 0.2170, 0.4095

Sweetspot

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



33.0925, 0.2461, 0.1966



76.0508, 0.2966, 0.2950



66.2621, 0.2482, 0.3005



15.4961, 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.



33.0925, 0.2461, 0.1966



27.0295, 0.2294, 0.1668



40.1900, 0.2907, 0.2117



16.8250, 0.3013, 0.3047



4.1334, 0.1612, 0.0662



0.4270, 0.1721, 0.0722

Inverse Universe

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



44.0484, 0.3392, 0.2414



40.1262, 0.3463, 0.2256



78.1657, 0.3245, 0.4600



17.4561, 0.3171, 0.3106



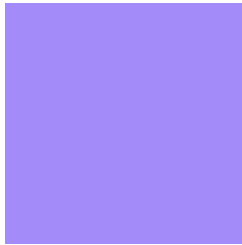
12.9078, 0.3850, 0.1895



1.2109, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 33.0913, 0.2461, 0.1966 looks on a white background.

Color Contrast Check

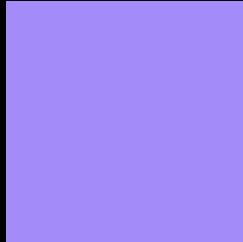
Large Text (above 18pt) WCAG AA × Fail

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 33.0913, 0.2461, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

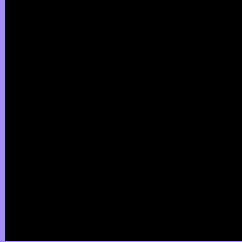
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0913, 0.2461, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 33.0913, 0.2461, 0.1966.



This preview shows how white text looks on a background with the Yxy color 33.0913, 0.2461, 0.1966.

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

33.0913, 0.2461, 0.1966

Protanopia

33.2539, 0.2148, 0.1972

Deuteranopia

33.4337, 0.2161, 0.2106



Tritanopia

33.0895, 0.2919, 0.3109

Trichromacy



Original Color

33.0913, 0.2461, 0.1966

Protanomaly

32.8648, 0.2245, 0.1958

Deuteranomaly

32.9785, 0.2255, 0.2049

Tritanomaly

32.5653, 0.2734, 0.2615

Monochromacy



Original Color

33.0913, 0.2461, 0.1966

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.7358, 0.2853, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0913, 0.2461, 0.1966 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(163, 139, 249)` looks like.

```
.text, #text, p{  
    color:rgb(163, 139, 249)  
}
```

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(163, 139, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 139, 249) }
```

Border

The CSS property to change the border of an element to Yxy 33.0913, 0.2461, 0.1966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

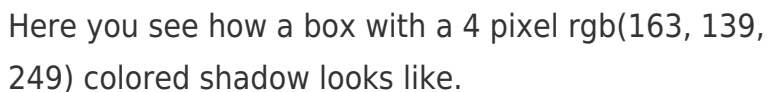
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 139, 249) }
```

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

```
.border{ border-color:rgb(163, 139, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 139, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 139, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 139, 249); box-shadow:4px 4px 4px 4px rgb(163, 139, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0913, 0.2461, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 139, 249) }
```

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

```
.background{ background-color: rgb(163,  
139, 249) }
```

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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