

Converting Colors

$Y_{xy}(40.2893, 0.2516, 0.2151)$

Have a look what the booklet for
Yxy(40.2893, 0.2516, 0.2151)
contains.

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Color

Yxy(40.3316, 0.2513, 0.2153)

Conversions

Conversions Part 1	
Format	Color
Hex	AB9EFF
RGB	171, 158, 255
RGB Percent	67%, 62%, 100%
CMY	0.3293, 0.3804, 0.0000
CMYK	0.33, 0.38, 0.00, 0.00
HSL	248°, 100%, 81%
HSV	248°, 38%, 100%
XYZ	47.0754, 40.3316, 99.9205
YIQ	172.9450, -23.3890, 32.9230

Conversions

Conversions Part 2

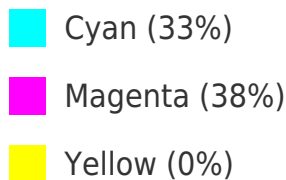
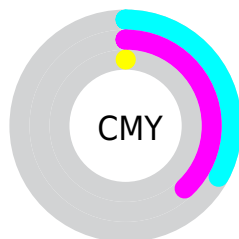
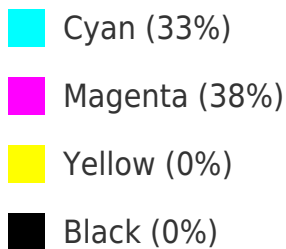
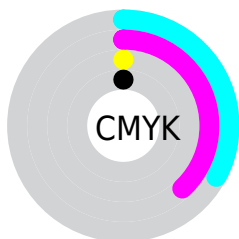
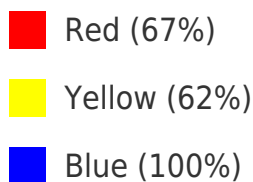
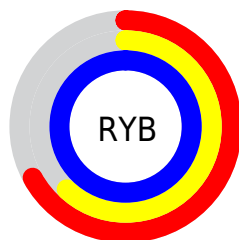
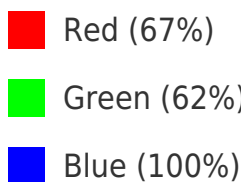
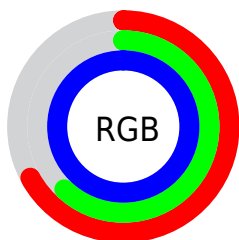
Format	Color
RYB	171, 158, 255
Decimal	11247359
CIELab	69.71, 26.18, -46.59
CIELCh	70, 53.440, 299.335
Yxy	40.3316, 0.2513, 0.2153
Android (android.graphics.Color)	4289437439 (0xFFAB9EFF)
YUV	172.9450, 40.4531, -1.7058
Hunter-Lab	63.5072, 21.1776, -48.8303

Details

The Yxy color $40.3316, 0.2513, 0.2153$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $92.8615, 0.3611, 0.4269$, and the grayscale version is $41.5601, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.3025, 0.2958, 0.2856$, and $18.3056, 0.2342, 0.1893$ is the 20% darker color. If you saturate the color by 10%, you get $30.2415, 0.2315, 0.1807$, and if you desaturate by 10%, it is $52.6419, 0.2700, 0.2489$.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3316, 0.2513, 0.2153 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 40.3316, 0.2513, 0.2153 by changing the saturation by 10% instead.


 40.3316, 0.2513,
0.2153


 40.3316, 0.2513,
0.2153


347.5192, 0.2826,
0.2685

 27.7972, 0.2436,
0.2033


 75.6682, 0.2626,
0.2337

 18.1728, 0.2338,
0.1887


 99.2392, 0.2669,
0.2409

 11.0741, 0.2211,
0.1706


127.2578, 0.2705,
0.2471

 6.1167, 0.2042,
0.1477

160.1084, 0.2736,
0.2524

 2.9162, 0.1807,
0.1187

198.1755, 0.2763,
0.2572

 1.0881, 0.1473,
0.0820

241.8434, 0.2787,


 0.0000, 0.1005,


0.2614


0.0000

291.4965, 0.2807,
0.2651


 0.0000, 0.0000,
0.0000


 40.3316, 0.2513,
0.2153


 40.3316, 0.2513,
0.2153

 30.2415, 0.2315,
0.1807


 52.6419, 0.2700,
0.2489

 22.2363, 0.2115,
0.1468


 67.2920, 0.2870,
0.2802

 16.1694, 0.1926,
0.1161

 84.3956, 0.3020,
0.3085

 11.8740, 0.1762,
0.0909

100.0000, 0.3127,
0.3290

 9.1545, 0.1636,
0.0733

■ 7.7513, 0.1554,
0.0636

■ 7.5641, 0.1542,
0.0623

Harmonies

Analogous

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



40.3316, 0.2014, 0.2130



40.3316, 0.2513, 0.2153



40.3316, 0.3248, 0.2404

Triad

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



40.3316, 0.2513, 0.2153



40.3316, 0.4646, 0.3948



40.3316, 0.2228, 0.3745

Complementary

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



40.3316, 0.2513, 0.2153



92.8615, 0.3611, 0.4269

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.



40.3316, 0.2863, 0.4487



40.3316, 0.2513, 0.2153



40.3316, 0.4267, 0.4467

Square

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



40.3316, 0.2513, 0.2153



40.3316, 0.4580, 0.3374



40.3316, 0.3610, 0.4735



40.3316, 0.1860, 0.2932

Rectangle

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



40.3316, 0.2513, 0.2153



40.3316, 0.3788, 0.2675



40.3316, 0.3610, 0.4735



40.3316, 0.2415, 0.4025

Sweetspot

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



40.3324, 0.2513, 0.2153



79.0725, 0.2978, 0.3004



78.0323, 0.2575, 0.3143



16.4186, 0.2958, 0.2967



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.



40.3324, 0.2513, 0.2153



32.1271, 0.2356, 0.1877



46.7994, 0.2881, 0.2262



17.4946, 0.2999, 0.3046



3.9880, 0.1551, 0.0628



0.4226, 0.1631, 0.0672

Inverse Universe

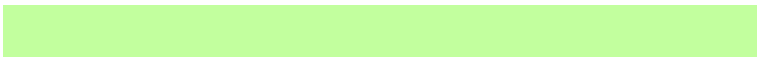
The Inverse Universe completely reimagines the original color for something new.



52.1216, 0.3278, 0.2459



45.5978, 0.3317, 0.2295



85.4002, 0.3287, 0.4381



18.2559, 0.3159, 0.3087



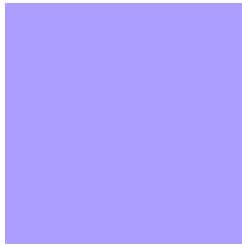
13.8463, 0.3581, 0.1746



1.3593, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 40.3316, 0.2513, 0.2153 looks on a white background.

Color Contrast Check

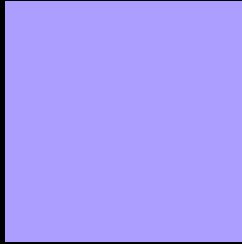
Large Text (above 18pt) WCAG AA × Fail

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 40.3316, 0.2513, 0.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

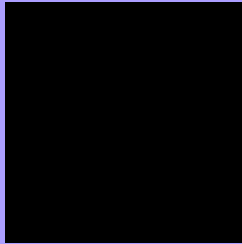
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3316, 0.2513, 0.2153

Background



This preview shows how black text looks on a background with the Yxy color 40.3316, 0.2513, 0.2153.



This preview shows how white text looks on a background with the Yxy color 40.3316, 0.2513, 0.2153.

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

40.3316, 0.2513, 0.2153

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.5361, 0.2309, 0.2242



Tritanopia

40.1181, 0.2878, 0.3094

Trichromacy



Original Color
40.3316, 0.2513, 0.2153

Protanomaly
40.3502, 0.2389, 0.2187

Deuteranomaly
40.2691, 0.2372, 0.2202

Tritanomaly
39.9176, 0.2732, 0.2708

Monochromacy



Original Color
40.3316, 0.2513, 0.2153

Achromatopsia
41.7885, 0.3127, 0.3290

Achromatomaly
41.0877, 0.2880, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3316, 0.2513, 0.2153 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(171, 158, 255) looks like.

```
.text, #text, p{  
    color:rgb(171, 158, 255)  
}
```

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(171, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3316, 0.2513, 0.2153 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(171, 158, 255) }
```

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

```
.border{ border-color:rgb(171, 158, 255) }
```

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

Here you see how a box with a 4 pixel rgb(171, 158, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3316, 0.2513, 0.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 158, 255) }
```

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

```
.background{ background-color: rgb(171,  
158, 255) }
```

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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