

Converting Colors

$Y_{xy}(36.4861, 0.2561, 0.2312)$

Have a look what the booklet for
Yxy(36.4861, 0.2561, 0.2312)
contains.

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Color

Yxy(36.6398, 0.2561, 0.2312)

Conversions

Conversions Part 1

Format	Color
Hex	9F9BE8
RGB	159, 155, 232
RGB Percent	62%, 61%, 91%
CMY	0.3763, 0.3922, 0.0903
CMYK	0.31, 0.33, 0.00, 0.09
HSL	243°, 63%, 76%
HSV	243°, 33%, 91%
XYZ	40.5859, 36.6398, 81.2510
YIQ	164.9740, -22.3330, 24.7950

Conversions

Conversions Part 2

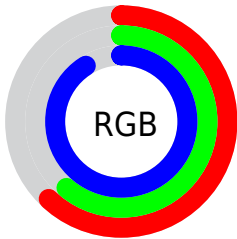
Format	Color
RYB	159, 155, 232
Decimal	10460136
CIELab	67.01, 18.73, -38.29
CIElCh	67, 42.628, 296.065
Yxy	36.6398, 0.2561, 0.2312
Android (android.graphics.Color)	4288650216 (0xFF9F9BE8)
YUV	164.9740, 33.0438, -5.2392
Hunter-Lab	60.5308, 13.7552, -37.2138

Details

The Yxy color **36.6398, 0.2561, 0.2312** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.5427, 0.3597, 0.4125**, and the grayscale version is **37.4633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2680, 0.2869, 0.2802**, and **16.0385, 0.2391, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **27.5964, 0.2355, 0.1963**, and if you desaturate by 10%, it is **47.5686, 0.2754, 0.2642**.

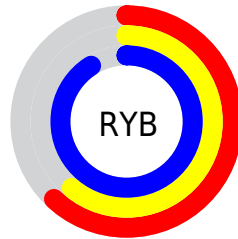
Distribution



Red (62%)

Green (61%)

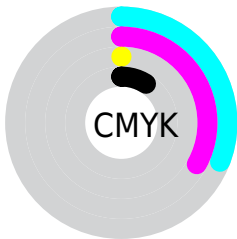
Blue (91%)



Red (62%)

Yellow (61%)

Blue (91%)

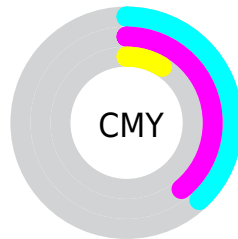


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (9%)



Cyan (38%)


Magenta (39%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6398, 0.2561, 0.2312 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 36.6398, 0.2561, 0.2312 by changing the saturation by 10% instead.


 36.6398, 0.2561,
0.2312


 36.6398, 0.2561,
0.2312


331.7484, 0.2854,
0.2787

 24.9287, 0.2487,
0.2200


 70.0184, 0.2669,
0.2480

 16.0240, 0.2391,
0.2060


 92.4548, 0.2709,
0.2545

 9.5411, 0.2265,
0.1881

119.2351, 0.2742,
0.2600

 5.0958, 0.2092,
0.1649

150.7436, 0.2771,
0.2648

 2.3036, 0.1843,
0.1338

187.3648, 0.2796,
0.2689

 0.7756, 0.1471,
0.0916

229.4831, 0.2818,

 0.0000, 0.0446,

0.2726

0.0000

277.4828, 0.2837,
0.2758

0.0000, 0.0000,
0.0000

36.6398, 0.2561,
0.2312

36.6398, 0.2561,
0.2312

27.5964, 0.2355,
0.1963

47.5686, 0.2754,
0.2642

20.3277, 0.2145,
0.1611

60.4764, 0.2928,
0.2943

14.7181, 0.1944,
0.1279

75.4561, 0.3082,
0.3212

10.6367, 0.1768,
0.0995

92.5930, 0.3216,
0.3447

7.9328, 0.1632,
0.0782

98.6043, 0.3262,
0.3513

■ 6.4247, 0.1545,
0.0653

■ 5.9037, 0.1512,
0.0607

Harmonies

Analogous

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



36.6398, 0.2155, 0.2323



36.6398, 0.2561, 0.2312



36.6398, 0.3162, 0.2507

Triad

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



36.6398, 0.2561, 0.2312



36.6398, 0.4405, 0.3820



36.6398, 0.2432, 0.3740

Complementary

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



36.6398, 0.2561, 0.2312



76.5427, 0.3597, 0.4125

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.



36.6398, 0.2990, 0.4298



36.6398, 0.2561, 0.2312



36.6398, 0.4141, 0.4252

Square

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



36.6398, 0.2561, 0.2312



36.6398, 0.4292, 0.3329



36.6398, 0.3616, 0.4471



36.6398, 0.2081, 0.3075

Rectangle

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



36.6398, 0.2561, 0.2312



36.6398, 0.3606, 0.2732



36.6398, 0.3616, 0.4471



36.6398, 0.2600, 0.3955

Sweetspot

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



36.6412, 0.2561, 0.2312



80.4977, 0.2979, 0.3031



68.3442, 0.2650, 0.3243



16.6888, 0.2956, 0.2992



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.



36.6412, 0.2561, 0.2312



37.3073, 0.2417, 0.2068



41.1815, 0.2868, 0.2391



13.9231, 0.2988, 0.3047



3.2949, 0.1517, 0.0609



0.2563, 0.1564, 0.0635

Inverse Universe

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



46.1898, 0.3200, 0.2506



50.9226, 0.3217, 0.2346



70.9606, 0.3315, 0.4208



14.6015, 0.3146, 0.3070



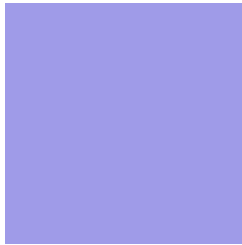
12.3939, 0.3345, 0.1616



0.9199, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 36.6398, 0.2561, 0.2312 looks on a white background.

Color Contrast Check

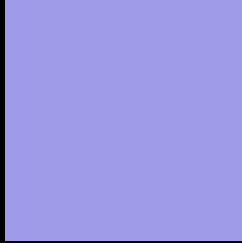
Large Text (above 18pt) WCAG AA × Fail

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 36.6398, 0.2561, 0.2312 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 36.6398, 0.2561, 0.2312

Background



This preview shows how black text looks on a background with the Yxy color 36.6398, 0.2561, 0.2312.



This preview shows how white text looks on a background with the Yxy color 36.6398, 0.2561, 0.2312.

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

36.6398, 0.2561, 0.2312

Protanopia

36.6010, 0.2399, 0.2299

Deuteranopia

36.6625, 0.2429, 0.2365



Tritanopia

36.8230, 0.2861, 0.3100

Trichromacy



Original Color

36.6398, 0.2561, 0.2312

Protanomaly

36.5629, 0.2454, 0.2296

Deuteranomaly

36.6768, 0.2479, 0.2351

Tritanomaly

36.5933, 0.2748, 0.2788

Monochromacy



Original Color

36.6398, 0.2561, 0.2312

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9504, 0.2909, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6398, 0.2561, 0.2312 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(159, 155, 232)` looks like.

```
.text, #text, p{  
    color:rgb(159, 155, 232)  
}
```

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(159, 155, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 155, 232) }
```

Border

The CSS property to change the border of an element to Yxy 36.6398, 0.2561, 0.2312 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(159, 155, 232) }
```

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

```
.border{ border-color:rgb(159, 155, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 155, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 155, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 155, 232);  
box-shadow:4px 4px 4px 4px rgb(159, 155,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6398, 0.2561, 0.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 155, 232) }
```

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

```
.background{ background-color: rgb(159,  
155, 232) }
```

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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