

Converting Colors

$Y_{xy}(37.9487, 0.2339, 0.2013)$

Have a look what the booklet for
Yxy(37.9487, 0.2339, 0.2013)
contains.

Yxy(37.3381, 0.2378, 0.2079)	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(37.3381, 0.2378, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	989BFF
RGB	152, 155, 255
RGB Percent	60%, 61%, 100%
CMY	0.4042, 0.3921, 0.0001
CMYK	0.40, 0.39, 0.00, 0.00
HSL	238°, 100%, 80%
HSV	238°, 40%, 100%
XYZ	42.7080, 37.3381, 99.5503
YIQ	165.5030, -33.8880, 30.4640

Conversions

Conversions Part 2

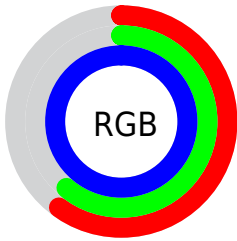
Format	Color
R _Y B	152, 155, 255
Decimal	10001407
CIE Lab	67.53, 22.92, -50.10
CIE LCh	68, 55.093, 294.588
Yxy	37.3381, 0.2378, 0.2079
Android (android.graphics.Color)	4288191487 (0xFF989BFF)
YUV	165.5030, 44.1220, -11.8421
Hunter-Lab	61.1049, 17.8254, -53.8201

Details

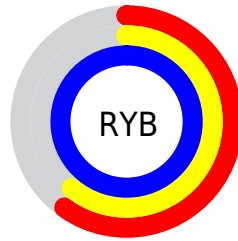
The Yxy color **37.3381, 0.2378, 0.2079** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.0733, 0.3745, 0.4268**, and the grayscale version is **37.6735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5226, 0.2835, 0.2797**, and **16.4107, 0.2163, 0.1787** is the 20% darker color. If you saturate the color by 10%, you get **27.7313, 0.2163, 0.1727**, and if you desaturate by 10%, it is **49.1622, 0.2588, 0.2421**.

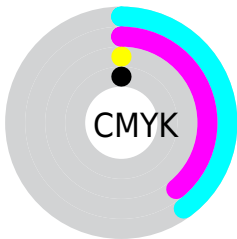
Distribution



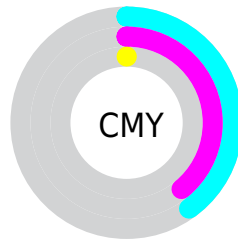
- Red (60%)
- Green (61%)
- Blue (100%)



- Red (60%)
- Yellow (61%)
- Blue (100%)



- Cyan (40%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3381, 0.2378, 0.2079 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 37.3381, 0.2378, 0.2079 by changing the saturation by 10% instead.

 37.3381, 0.2378,
0.2079


 37.3381, 0.2378,
0.2079


334.7720, 0.2758,
0.2650

 25.4694, 0.2285,
0.1950

 71.0925, 0.2515,
0.2277

 16.4271, 0.2168,
0.1792


 93.7469, 0.2567,
0.2354

 9.8269, 0.2017,
0.1597


120.7654, 0.2611,
0.2421

 5.2843, 0.1817,
0.1353

152.5323, 0.2649,
0.2479

 2.4150, 0.1546,
0.1046

189.4320, 0.2682,
0.2530

 0.8336, 0.1175,
0.0670

231.8489, 0.2710,


 0.0000, 0.0527,


0.2575


0.0000

280.1675, 0.2736,
0.2615


 0.0000, 0.0000,
0.0000


 37.3381, 0.2378,
0.2079


 37.3381, 0.2378,
0.2079


 27.7313, 0.2163,
0.1727


 49.1622, 0.2588,
0.2421


 20.1999, 0.1957,
0.1386


 63.3255, 0.2785,
0.2740


 14.5920, 0.1776,
0.1084

 79.9459, 0.2963,
0.3027

 10.7333, 0.1635,
0.0845

 99.1322, 0.3121,
0.3280

 8.4177, 0.1545,
0.0687

 99.9990, 0.3127,
0.3290

■ 7.3853, 0.1504,
0.0612

Harmonies

Analogous

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



37.3381, 0.1905, 0.2094



37.3381, 0.2378, 0.2079



37.3381, 0.3118, 0.2305

Triad

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



37.3381, 0.2378, 0.2079



37.3381, 0.4751, 0.3874



37.3381, 0.2267, 0.3915

Complementary

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



37.3381, 0.2378, 0.2079



93.0733, 0.3745, 0.4268

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.



37.3381, 0.2963, 0.4649



37.3381, 0.2378, 0.2079



37.3381, 0.4409, 0.4443

Square

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



37.3381, 0.2378, 0.2079



37.3381, 0.4603, 0.3276



37.3381, 0.3747, 0.4803



37.3381, 0.1836, 0.3028

Rectangle

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



37.3381, 0.2378, 0.2079



37.3381, 0.3690, 0.2569



37.3381, 0.3747, 0.4803



37.3381, 0.2476, 0.4205

Sweetspot

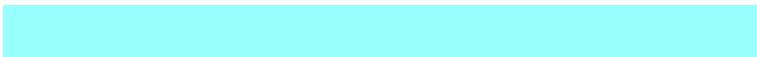
The Sweet Spot groups the original color and five complimentary colors.



37.3395, 0.2378, 0.2079



77.1544, 0.2936, 0.2984



85.1789, 0.2585, 0.3327



16.0300, 0.2914, 0.2947



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.



37.3395, 0.2378, 0.2079



29.8604, 0.2215, 0.1812



41.9358, 0.2724, 0.2151



17.4651, 0.2978, 0.3052



3.8973, 0.1505, 0.0618



0.4089, 0.1517, 0.0660

Inverse Universe

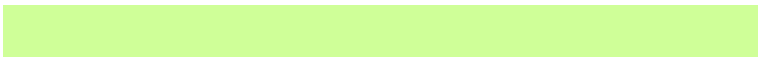
The Inverse Universe completely reimagines the original color for something new.



46.0588, 0.4132, 0.3260



39.7112, 0.4431, 0.3256



87.0252, 0.3406, 0.4416



17.9959, 0.3290, 0.3283



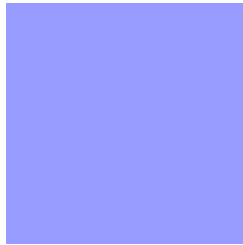
11.1214, 0.6370, 0.3283



1.0858, 0.6298, 0.3243

Previews

White Background



This preview shows how the Yxy color 37.3381, 0.2378, 0.2079 looks on a white background.

Color Contrast Check

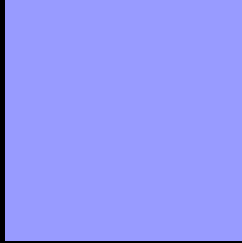
Large Text (above 18pt) WCAG AA × Fail

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 37.3381, 0.2378, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

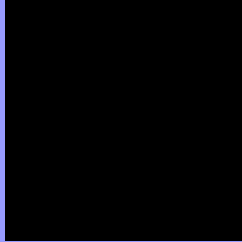
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3381, 0.2378, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 37.3381, 0.2378, 0.2079.



This preview shows how white text looks on a background with the Yxy color 37.3381, 0.2378, 0.2079.

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

37.3381, 0.2378, 0.2079

Protanopia

37.4556, 0.2258, 0.2114

Deuteranopia

37.5647, 0.2215, 0.2155



Tritanopia

37.2785, 0.2717, 0.3082

Trichromacy



Original Color

37.3381, 0.2378, 0.2079

Protanomaly

37.4195, 0.2299, 0.2102

Deuteranomaly

37.4708, 0.2268, 0.2125

Tritanomaly

37.2261, 0.2585, 0.2667

Monochromacy



Original Color

37.3381, 0.2378, 0.2079

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.0405, 0.2813, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3381, 0.2378, 0.2079 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(152, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 155, 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(152, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.3381, 0.2378, 0.2079 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(152, 155, 255) }
```

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

```
.border{ border-color:rgb(152, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3381, 0.2378, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 155, 255) }
```

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

```
.background{ background-color: rgb(152,  
155, 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](#).

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