

Converting Colors

$Y_{xy}(38.2071, 0.2411, 0.2021)$

Have a look what the booklet for
Yxy(38.2071, 0.2411, 0.2021)
contains.

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Color

Yxy(37.7890, 0.2449, 0.2078)

Conversions

Conversions Part 1

Format	Color
Hex	A399FF
RGB	163, 153, 255
RGB Percent	64%, 60%, 100%
CMY	0.3609, 0.3999, 0.0001
CMYK	0.36, 0.40, 0.00, 0.00
HSL	246°, 100%, 80%
HSV	246°, 40%, 100%
XYZ	44.5357, 37.7890, 99.5280
YIQ	167.6180, -26.7820, 33.8420

Conversions

Conversions Part 2

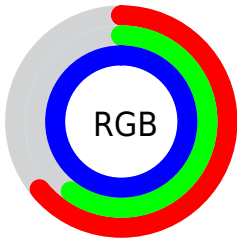
Format	Color
RYB	163, 153, 255
Decimal	10721791
CIELab	67.86, 26.87, -49.51
CIELCh	68, 56.326, 298.489
Yxy	37.7890, 0.2449, 0.2078
Android (android.graphics.Color)	4288911871 (0xFFA399FF)
YUV	167.6180, 43.0793, -4.0500
Hunter-Lab	61.4728, 21.7422, -52.9631

Details

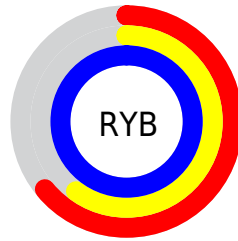
The Yxy color **37.7890, 0.2449, 0.2078** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.2180, 0.3659, 0.4309**, and the grayscale version is **38.7553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2178, 0.2909, 0.2786**, and **16.7058, 0.2253, 0.1791** is the 20% darker color. If you saturate the color by 10%, you get **28.1042, 0.2244, 0.1727**, and if you desaturate by 10%, it is **49.7015, 0.2645, 0.2421**.

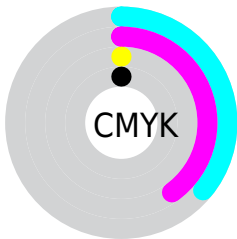
Distribution



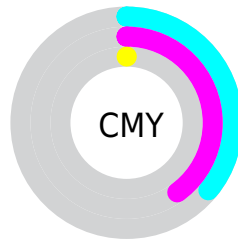
- Red (64%)
- Green (60%)
- Blue (100%)



- Red (64%)
- Yellow (60%)
- Blue (100%)



- Cyan (36%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7890, 0.2449, 0.2078 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 37.7890, 0.2449, 0.2078 by changing the saturation by 10% instead.


 37.7890, 0.2449,
0.2078


 37.7890, 0.2449,
0.2078


336.7140, 0.2796,
0.2646

 25.8190, 0.2363,
0.1950


 71.7846, 0.2575,
0.2275

 16.6883, 0.2255,
0.1794

 94.5790, 0.2622,
0.2351

 10.0125, 0.2114,
0.1602


121.7503, 0.2662,
0.2418

 5.4072, 0.1927,
0.1361

153.6828, 0.2697,
0.2475

 2.4881, 0.1670,
0.1058

190.7611, 0.2727,
0.2526

 0.8707, 0.1310,
0.0687

233.3694, 0.2753,

 0.0000, 0.0741,

0.2571


0.0000


281.8923, 0.2775,
0.2611

 0.0000, 0.0000,
0.0000


 37.7890, 0.2449,
0.2078


 37.7890, 0.2449,
0.2078

 28.1042, 0.2244,
0.1727


 49.7015, 0.2645,
0.2421

 20.5044, 0.2041,
0.1389


 63.9641, 0.2825,
0.2741

 14.8367, 0.1855,
0.1089

 80.6954, 0.2986,
0.3032

 10.9255, 0.1701,
0.0852

99.9980, 0.3127,
0.3290

 8.5628, 0.1590,
0.0694

■ 7.4244, 0.1525,
0.0614

■ 7.4231, 0.1525,
0.0614

Harmonies

Analogous

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



37.7890, 0.1932, 0.2058



37.7890, 0.2449, 0.2078



37.7890, 0.3228, 0.2336

Triad

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



37.7890, 0.2449, 0.2078



37.7890, 0.4758, 0.3958



37.7890, 0.2177, 0.3806

Complementary

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



37.7890, 0.2449, 0.2078



93.2180, 0.3659, 0.4309

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.



37.7890, 0.2856, 0.4609



37.7890, 0.2449, 0.2078



37.7890, 0.4354, 0.4525

Square

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



37.7890, 0.2449, 0.2078



37.7890, 0.4680, 0.3351



37.7890, 0.3653, 0.4846



37.7890, 0.1783, 0.2918

Rectangle

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



37.7890, 0.2449, 0.2078



37.7890, 0.3812, 0.2619



37.7890, 0.3653, 0.4846



37.7890, 0.2377, 0.4111

Sweetspot

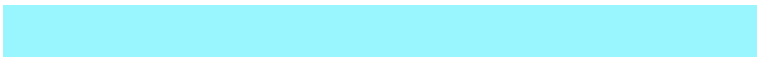
The Sweet Spot groups the original color and five complimentary colors.



37.7904, 0.2449, 0.2078



77.1402, 0.2956, 0.2976



80.1925, 0.2560, 0.3193



16.0268, 0.2935, 0.2939



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.



37.7904, 0.2449, 0.2078



29.8638, 0.2285, 0.1797



44.0775, 0.2824, 0.2194



17.4625, 0.2994, 0.3045



3.9076, 0.1532, 0.0618



0.4075, 0.1596, 0.0653

Inverse Universe

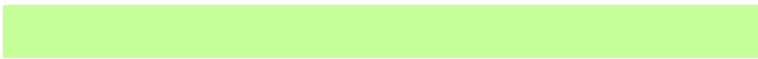
The Inverse Universe completely reimagines the original color for something new.



50.6376, 0.3255, 0.2385



44.4004, 0.3286, 0.2219



85.4699, 0.3325, 0.4431



18.2680, 0.3153, 0.3078



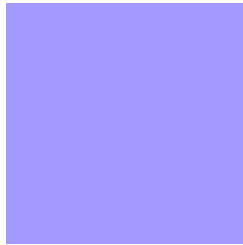
14.1102, 0.3472, 0.1686



1.3824, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 37.7890, 0.2449, 0.2078 looks on a white background.

Color Contrast Check

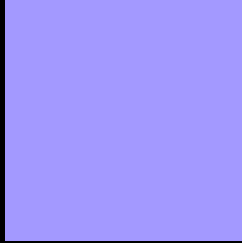
Large Text (above 18pt) WCAG AA × Fail

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 37.7890, 0.2449, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

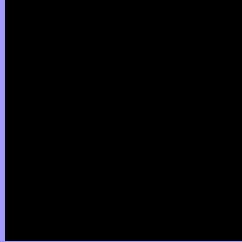
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7890, 0.2449, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 37.7890, 0.2449, 0.2078.



This preview shows how white text looks on a background with the Yxy color 37.7890, 0.2449, 0.2078.

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

37.7890, 0.2449, 0.2078

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

38.0761, 0.2238, 0.2182



Tritanopia

37.9564, 0.2833, 0.3102

Trichromacy



Original Color

37.7890, 0.2449, 0.2078

Protanomaly

37.8559, 0.2329, 0.2111

Deuteranomaly

37.9000, 0.2307, 0.2144

Tritanomaly

37.5701, 0.2679, 0.2666

Monochromacy



Original Color

37.7890, 0.2449, 0.2078

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.4715, 0.2850, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7890, 0.2449, 0.2078 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 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(163, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.7890, 0.2449, 0.2078 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, 153, 255) }
```

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

```
.border{ border-color:rgb(163, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7890, 0.2449, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 255) }
```

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

```
.background{ background-color: rgb(163,  
153, 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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