

Converting Colors

$Y_{xy}(38.5621, 0.2491, 0.2204)$

Have a look what the booklet for
Yxy(38.5621, 0.2491, 0.2204)
contains.

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Color

Yxy(38.7462, 0.2489, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	A19EF7
RGB	161, 158, 247
RGB Percent	63%, 62%, 97%
CMY	0.3685, 0.3804, 0.0313
CMYK	0.35, 0.36, 0.00, 0.03
HSL	242°, 85%, 79%
HSV	242°, 36%, 97%
XYZ	43.7168, 38.7462, 93.1771
YIQ	169.0430, -26.7810, 28.3150

Conversions

Conversions Part 2

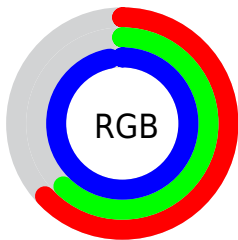
Format	Color
R _Y B	161, 158, 247
Decimal	10591991
CIE Lab	68.57, 21.44, -44.07
CIE LCh	69, 49.015, 295.946
Yxy	38.7462, 0.2489, 0.2206
Android (android.graphics.Color)	4288782071 (0xFFA19EF7)
YUV	169.0430, 38.4328, -7.0537
Hunter-Lab	62.2464, 16.4325, -45.1790

Details

The Yxy color **38.7462, 0.2489, 0.2206** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.2261, 0.3649, 0.4195**, and the grayscale version is **39.5170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7139, 0.2890, 0.2848**, and **17.2973, 0.2309, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **28.9038, 0.2277, 0.1851**, and if you desaturate by 10%, it is **50.7579, 0.2690, 0.2546**.

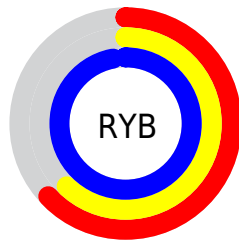
Distribution



Red (63%)

Green (62%)

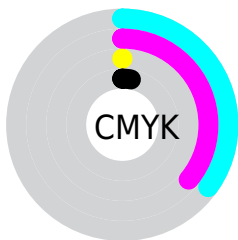
Blue (97%)



Red (63%)

Yellow (62%)

Blue (97%)

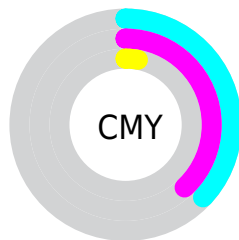


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (37%)

Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7462, 0.2489, 0.2206 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 38.7462, 0.2489, 0.2206 by changing the saturation by 10% instead.


 38.7462, 0.2489,
0.2206


 38.7462, 0.2489,
0.2206


340.8102, 0.2814,
0.2721

 26.5623, 0.2408,
0.2088


 73.2504, 0.2607,
0.2386

 17.2448, 0.2306,
0.1942


 96.3396, 0.2652,
0.2456

 10.4092, 0.2173,
0.1760


123.8327, 0.2689,
0.2516

 5.6711, 0.1994,
0.1527

156.1140, 0.2721,
0.2568

 2.6461, 0.1745,
0.1226

193.5681, 0.2749,
0.2613

 0.9499, 0.1388,
0.0840

236.5792, 0.2774,


 0.0000, 0.0764,

0.2654


0.0000


285.5318, 0.2795,
0.2689

 0.0000, 0.0000,
0.0000

 38.7462, 0.2489,
0.2206


 38.7462, 0.2489,
0.2206


 28.9038, 0.2277,
0.1851

 50.7579, 0.2690,
0.2546

 21.0974, 0.2066,
0.1499


 65.0528, 0.2875,
0.2858

 15.1856, 0.1870,
0.1178

 81.7424, 0.3038,
0.3138

 11.0072, 0.1706,
0.0912

 99.4960, 0.3173,
0.3366

 8.3745, 0.1588,
0.0726

■ 7.0557, 0.1522,
0.0626

■ 6.7701, 0.1507,
0.0604

Harmonies

Analogous

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



38.7462, 0.2045, 0.2214



38.7462, 0.2489, 0.2206



38.7462, 0.3158, 0.2420

Triad

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



38.7462, 0.2489, 0.2206



38.7462, 0.4562, 0.3860



38.7462, 0.2346, 0.3802

Complementary

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



38.7462, 0.2489, 0.2206



88.2261, 0.3649, 0.4195

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.



38.7462, 0.2965, 0.4446



38.7462, 0.2489, 0.2206



38.7462, 0.4256, 0.4352

Square

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



38.7462, 0.2489, 0.2206



38.7462, 0.4441, 0.3318



38.7462, 0.3665, 0.4625



38.7462, 0.1963, 0.3040

Rectangle

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



38.7462, 0.2489, 0.2206



38.7462, 0.3661, 0.2666



38.7462, 0.3665, 0.4625



38.7462, 0.2532, 0.4051

Sweetspot

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



38.7477, 0.2489, 0.2206



78.6089, 0.2959, 0.3003



78.7114, 0.2616, 0.3255



16.3092, 0.2937, 0.2965



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.



38.7477, 0.2489, 0.2206



33.9745, 0.2340, 0.1957



44.2145, 0.2826, 0.2300



15.9536, 0.2984, 0.3045



3.5924, 0.1510, 0.0606



0.3250, 0.1537, 0.0620

Inverse Universe

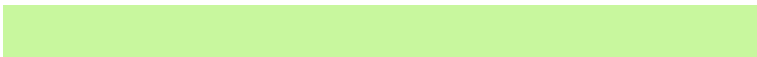
The Inverse Universe completely reimagines the original color for something new.



50.7591, 0.3194, 0.2423



48.6003, 0.3208, 0.2263



81.2112, 0.3340, 0.4296



16.7580, 0.3143, 0.3065



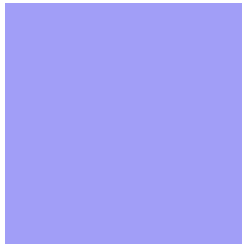
13.7461, 0.3296, 0.1589



1.2111, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 38.7462, 0.2489, 0.2206 looks on a white background.

Color Contrast Check

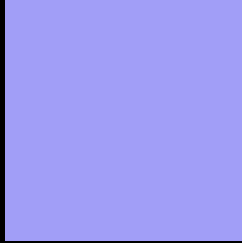
Large Text (above 18pt) WCAG AA × Fail

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 38.7462, 0.2489, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

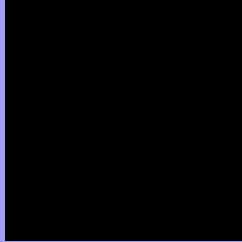
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7462, 0.2489, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 38.7462, 0.2489, 0.2206.



This preview shows how white text looks on a background with the Yxy color 38.7462, 0.2489, 0.2206.

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

38.7462, 0.2489, 0.2206

Protanopia

38.8134, 0.2313, 0.2190

Deuteranopia

38.9333, 0.2341, 0.2281



Tritanopia

38.7896, 0.2819, 0.3103

Trichromacy



Original Color

38.7462, 0.2489, 0.2206

Protanomaly

38.7625, 0.2373, 0.2198

Deuteranomaly

38.7775, 0.2390, 0.2248

Tritanomaly

38.4528, 0.2689, 0.2732

Monochromacy



Original Color

38.7462, 0.2489, 0.2206

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.0485, 0.2874, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7462, 0.2489, 0.2206 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(161, 158, 247)` looks like.

```
.text, #text, p{  
    color:rgb(161, 158, 247)  
}
```

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(161, 158, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 158, 247) }
```

Border

The CSS property to change the border of an element to Yxy 38.7462, 0.2489, 0.2206 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(161, 158, 247) }
```

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

```
.border{ border-color:rgb(161, 158, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 158, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 158, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 158, 247);  
box-shadow:4px 4px 4px 4px rgb(161, 158,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7462, 0.2489, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 158, 247) }
```

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

```
.background{ background-color: rgb(161,  
158, 247) }
```

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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