

Converting Colors

$Yxy(37.9722, 0.2533, 0.2294)$

Have a look what the booklet for
Yxy(37.9722, 0.2533, 0.2294)
contains.

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Color

Yxy(37.9977, 0.2528, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	9F9EEE
RGB	159, 158, 238
RGB Percent	62%, 62%, 93%
CMY	0.3764, 0.3804, 0.0665
CMYK	0.33, 0.34, 0.00, 0.07
HSL	241°, 70%, 78%
HSV	241°, 34%, 93%
XYZ	41.9651, 37.9977, 86.0385
YIQ	167.4190, -25.0840, 25.0920

Conversions

Conversions Part 2

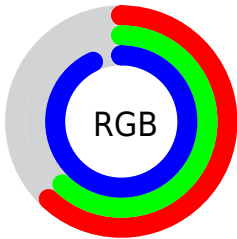
Format	Color
RYB	159, 158, 238
Decimal	10460910
CIELab	68.02, 18.58, -40.04
CIElCh	68, 44.143, 294.895
Yxy	37.9977, 0.2528, 0.2289
Android (android.graphics.Color)	4288650990 (0xFF9F9EEE)
YUV	167.4190, 34.7964, -7.3835
Hunter-Lab	61.6423, 13.6461, -39.6057

Details

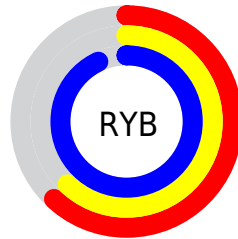
The Yxy color **37.9977, 0.2528, 0.2289** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.6427, 0.3627, 0.4131**, and the grayscale version is **38.6973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4074, 0.2877, 0.2846**, and **16.8960, 0.2355, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **28.4720, 0.2315, 0.1935**, and if you desaturate by 10%, it is **49.5554, 0.2729, 0.2624**.

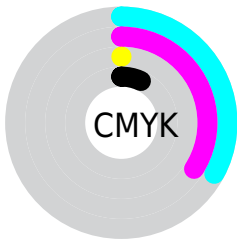
Distribution



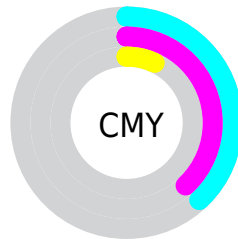
- Red (62%)
- Green (62%)
- Blue (93%)



- Red (62%)
- Yellow (62%)
- Blue (93%)



- Cyan (33%)
- Magenta (34%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9977, 0.2528, 0.2289 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 37.9977, 0.2528, 0.2289 by changing the saturation by 10% instead.


 37.9977, 0.2528,
0.2289


 37.9977, 0.2528,
0.2289


337.6101, 0.2835,
0.2771

 25.9809, 0.2451,
0.2176


 72.1046, 0.2640,
0.2459

 16.8094, 0.2353,
0.2036

 94.9635, 0.2682,
0.2524

 10.0987, 0.2224,
0.1859


122.2052, 0.2717,
0.2580

 5.4644, 0.2049,
0.1629

154.2142, 0.2748,
0.2629

 2.5222, 0.1801,
0.1325

191.3748, 0.2774,
0.2671

 0.8877, 0.1438,
0.0922

234.0713, 0.2797,

 0.0000, 0.0637,

0.2709


0.0000

282.6883, 0.2817,
0.2742

 0.0000, 0.0000,
0.0000


 37.9977, 0.2528,
0.2289


 37.9977, 0.2528,
0.2289


 28.4720, 0.2315,
0.1935


 49.5554, 0.2729,
0.2624


 20.8569, 0.2100,
0.1579


 63.2484, 0.2912,
0.2929


 15.0248, 0.1899,
0.1247

 79.1783, 0.3074,
0.3200

 10.8308, 0.1728,
0.0965

 97.4390, 0.3215,
0.3437

 8.1072, 0.1601,
0.0759

 98.9552, 0.3226,
0.3453

■ 6.6507, 0.1527,
0.0640

■ 6.1951, 0.1503,
0.0602

Harmonies

Analogous

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



37.9977, 0.2124, 0.2309



37.9977, 0.2528, 0.2289



37.9977, 0.3136, 0.2480

Triad

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



37.9977, 0.2528, 0.2289



37.9977, 0.4436, 0.3809



37.9977, 0.2435, 0.3778

Complementary

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



37.9977, 0.2528, 0.2289



81.6427, 0.3627, 0.4131

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.



37.9977, 0.3010, 0.4340



37.9977, 0.2528, 0.2289



37.9977, 0.4178, 0.4256

Square

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



37.9977, 0.2528, 0.2289



37.9977, 0.4306, 0.3308



37.9977, 0.3649, 0.4496



37.9977, 0.2069, 0.3093

Rectangle

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



37.9977, 0.2528, 0.2289



37.9977, 0.3590, 0.2705



37.9977, 0.3649, 0.4496



37.9977, 0.2609, 0.3996

Sweetspot

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



37.9992, 0.2528, 0.2289



80.3307, 0.2972, 0.3030



74.6133, 0.2650, 0.3289



16.6488, 0.2949, 0.2991



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.



37.9992, 0.2528, 0.2289



36.9041, 0.2390, 0.2059



42.6330, 0.2830, 0.2368



15.2385, 0.2981, 0.3046



3.4593, 0.1504, 0.0602



0.2912, 0.1515, 0.0608

Inverse Universe

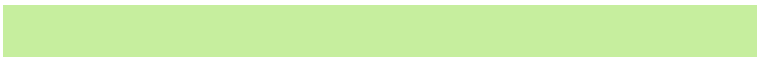
The Inverse Universe completely reimagines the original color for something new.



48.7481, 0.3175, 0.2465



51.1777, 0.3184, 0.2313



75.6459, 0.3346, 0.4215



16.0277, 0.3140, 0.3060



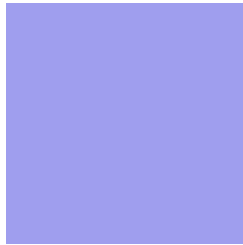
13.4863, 0.3242, 0.1559



1.1231, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 37.9977, 0.2528, 0.2289 looks on a white background.

Color Contrast Check

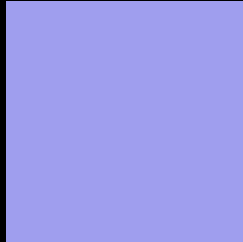
Large Text (above 18pt) WCAG AA × Fail

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 37.9977, 0.2528, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

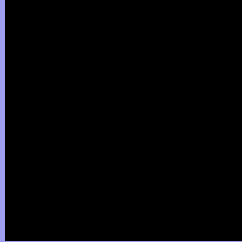
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9977, 0.2528, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 37.9977, 0.2528, 0.2289.



This preview shows how white text looks on a background with the Yxy color 37.9977, 0.2528, 0.2289.

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

37.9977, 0.2528, 0.2289

Protanopia

38.1806, 0.2386, 0.2281

Deuteranopia

38.1543, 0.2409, 0.2344



Tritanopia

37.9979, 0.2825, 0.3088

Trichromacy



Original Color

37.9977, 0.2528, 0.2289

Protanomaly

38.0437, 0.2433, 0.2276

Deuteranomaly

38.0661, 0.2450, 0.2328

Tritanomaly

37.8014, 0.2708, 0.2766

Monochromacy



Original Color

37.9977, 0.2528, 0.2289

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.2937, 0.2887, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9977, 0.2528, 0.2289 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, 158, 238)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 238)  
}
```

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, 158, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 238) }
```

Border

The CSS property to change the border of an element to Yxy 37.9977, 0.2528, 0.2289 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, 158, 238) }
```

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

```
.border{ border-color:rgb(159, 158, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 238);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9977, 0.2528, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 238) }
```

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

```
.background{ background-color: rgb(159,  
158, 238) }
```

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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