

Converting Colors

Yxy(36.7663, 0.2397, 0.2129)

Have a look what the booklet for
Yxy(36.7663, 0.2397, 0.2129)
contains.

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Color

Yxy(36.7663, 0.2397, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	969BF9
RGB	150, 155, 249
RGB Percent	59%, 61%, 98%
CMY	0.4118, 0.3921, 0.0236
CMYK	0.40, 0.38, 0.00, 0.02
HSL	237°, 89%, 78%
HSV	237°, 40%, 98%
XYZ	41.3945, 36.7663, 94.5320
YIQ	164.2210, -33.1540, 28.1740

Conversions

Conversions Part 2

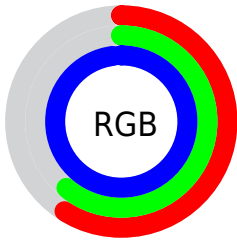
Format	Color
R _Y B	150, 155, 249
Decimal	9870329
CIE Lab	67.10, 20.80, -47.52
CIE LCh	67, 51.872, 293.644
Yxy	36.7663, 0.2397, 0.2129
Android (android.graphics.Color)	4288060409 (0xFF969BF9)
YUV	164.2210, 41.7960, -12.4718
Hunter-Lab	60.6352, 15.7468, -49.9902

Details

The Yxy color **36.7663, 0.2397, 0.2129** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.0235, 0.3742, 0.4234**, and the grayscale version is **37.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0863, 0.2815, 0.2794**, and **16.0861, 0.2190, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **27.5388, 0.2184, 0.1783**, and if you desaturate by 10%, it is **48.0380, 0.2604, 0.2463**.

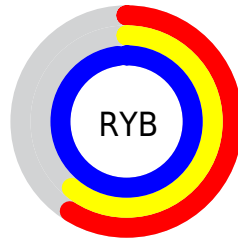
Distribution



Red (59%)

Green (61%)

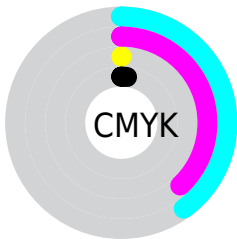
Blue (98%)



Red (59%)

Yellow (61%)

Blue (98%)

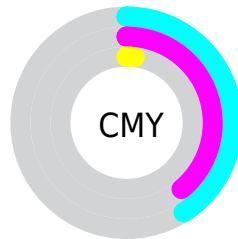


Cyan (40%)

Magenta (38%)

Yellow (0%)

Black (2%)



Cyan (41%)

Magenta (39%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7663, 0.2397, 0.2129 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 36.7663, 0.2397, 0.2129 by changing the saturation by 10% instead.

■ 36.7663, 0.2397,
0.2129

■ 36.7663, 0.2397,
0.2129

■ 332.2976, 0.2769,
0.2682

■ 25.0266, 0.2305,
0.2002

■ 70.2132, 0.2532,
0.2322

■ 16.0969, 0.2190,
0.1847

■ 92.6892, 0.2583,
0.2397

■ 9.5927, 0.2039,
0.1653

■ 119.5128, 0.2626,
0.2461

■ 5.1298, 0.1839,
0.1408

■ 151.0683, 0.2662,
0.2517

■ 2.3236, 0.1566,
0.1095

■ 187.7401, 0.2694,
0.2566

■ 0.7862, 0.1186,
0.0703

■ 229.9127, 0.2722,

■ 0.0000, 0.0415,

0.2609

0.0000

277.9704, 0.2747,
0.2648

0.0000, 0.0000,
0.0000

36.7663, 0.2397,
0.2129

36.7663, 0.2397,
0.2129

27.5388, 0.2184,
0.1783

48.0380, 0.2604,
0.2463

20.2290, 0.1979,
0.1445

61.4620, 0.2798,
0.2772

14.7031, 0.1797,
0.1139

77.1435, 0.2974,
0.3050

10.8079, 0.1652,
0.0889

95.1799, 0.3131,
0.3295

8.3647, 0.1555,
0.0716

99.6192, 0.3162,
0.3347

■ 7.1358, 0.1507,
0.0623

■ 7.1178, 0.1506,
0.0622

Harmonies

Analogous

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



36.7663, 0.1950, 0.2154



36.7663, 0.2397, 0.2129



36.7663, 0.3096, 0.2340

Triad

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



36.7663, 0.2397, 0.2129



36.7663, 0.4673, 0.3840



36.7663, 0.2330, 0.3907

Complementary

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



36.7663, 0.2397, 0.2129



87.0235, 0.3742, 0.4234

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.



36.7663, 0.3002, 0.4582



36.7663, 0.2397, 0.2129



36.7663, 0.4367, 0.4381

Square

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



36.7663, 0.2397, 0.2129



36.7663, 0.4512, 0.3267



36.7663, 0.3748, 0.4718



36.7663, 0.1905, 0.3072

Rectangle

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



36.7663, 0.2397, 0.2129



36.7663, 0.3637, 0.2590



36.7663, 0.3748, 0.4718



36.7663, 0.2533, 0.4175

Sweetspot

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



36.7676, 0.2397, 0.2129



77.4984, 0.2936, 0.2990



80.6649, 0.2608, 0.3364



16.1101, 0.2914, 0.2955



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.



36.7676, 0.2397, 0.2129



30.5847, 0.2221, 0.1842



39.9700, 0.2706, 0.2165



16.7842, 0.2979, 0.3057



3.8690, 0.1509, 0.0631



0.4065, 0.1529, 0.0705

Inverse Universe

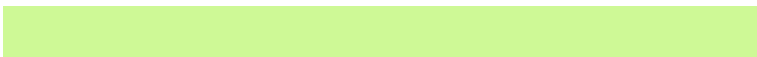
The Inverse Universe completely reimagines the original color for something new.



44.3135, 0.4085, 0.3239



39.7843, 0.4402, 0.3230



83.0841, 0.3424, 0.4387



17.2395, 0.3286, 0.3278



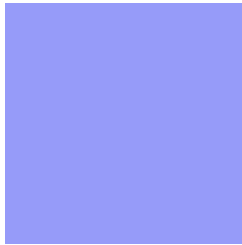
10.8015, 0.6349, 0.3271



1.0053, 0.6224, 0.3202

Previews

White Background



This preview shows how the Yxy color 36.7663, 0.2397, 0.2129 looks on a white background.

Color Contrast Check

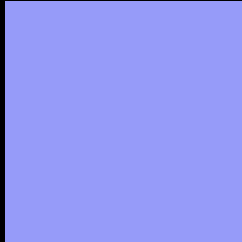
Large Text (above 18pt) WCAG AA × Fail

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 36.7663, 0.2397, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

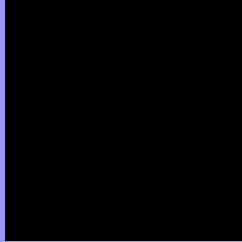
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7663, 0.2397, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 36.7663, 0.2397, 0.2129.



This preview shows how white text looks on a background with the Yxy color 36.7663, 0.2397, 0.2129.

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

36.7663, 0.2397, 0.2129

Protanopia

36.9006, 0.2259, 0.2118

Deuteranopia

36.7670, 0.2258, 0.2192



Tritanopia

36.8217, 0.2729, 0.3096

Trichromacy



Original Color

36.7663, 0.2397, 0.2129

Protanomaly

36.8004, 0.2305, 0.2115

Deuteranomaly

36.5601, 0.2303, 0.2158

Tritanomaly

36.5826, 0.2602, 0.2702

Monochromacy



Original Color

36.7663, 0.2397, 0.2129

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.8008, 0.2827, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7663, 0.2397, 0.2129 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(150, 155, 249)` looks like.

```
.text, #text, p{  
    color:rgb(150, 155, 249)  
}
```

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(150, 155, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 155, 249) }
```

Border

The CSS property to change the border of an element to Yxy 36.7663, 0.2397, 0.2129 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(150, 155, 249) }
```

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

```
.border{ border-color:rgb(150, 155, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 155, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 155, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 155, 249);  
box-shadow:4px 4px 4px 4px rgb(150, 155,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7663, 0.2397, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 155, 249) }
```

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

```
.background{ background-color: rgb(150,  
155, 249) }
```

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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