

Converting Colors

$Y_{xy}(37.8327, 0.2218, 0.1855)$

Have a look what the booklet for
Yxy(37.8327, 0.2218, 0.1855)
contains.

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Color

Yxy(36.3509, 0.2331, 0.2053)

Conversions

Conversions Part 1

Format	Color
Hex	919AFF
RGB	145, 154, 255
RGB Percent	57%, 60%, 100%
CMY	0.4316, 0.3960, 0.0000
CMYK	0.43, 0.40, 0.00, 0.00
HSL	235°, 100%, 78%
HSV	235°, 43%, 100%
XYZ	41.2732, 36.3509, 99.4382
YIQ	162.8230, -37.7850, 29.5030

Conversions

Conversions Part 2

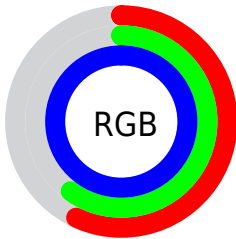
Format	Color
R _Y B	145, 153, 255
Decimal	9542399
CIE Lab	66.79, 21.79, -51.30
CIE LCh	67, 55.739, 293.009
Yxy	36.3509, 0.2331, 0.2053
Android (android.graphics.Color)	4287732479 (0xFF919AFF)
YUV	162.8230, 45.4433, -15.6308
Hunter-Lab	60.2917, 16.6833, -55.5819

Details

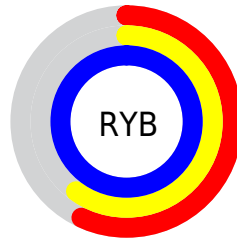
The Yxy color **36.3509, 0.2331, 0.2053** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.1588, 0.3807, 0.4282**, and the grayscale version is **36.3304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0283, 0.2788, 0.2779**, and **15.8524, 0.2109, 0.1754** is the 20% darker color. If you saturate the color by 10%, you get **27.3050, 0.2122, 0.1715**, and if you desaturate by 10%, it is **47.4241, 0.2539, 0.2383**.

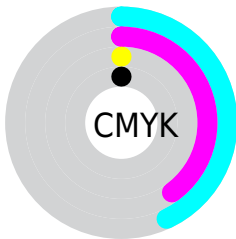
Distribution



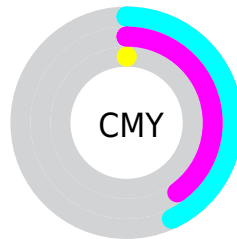
- Red (57%)
- Green (60%)
- Blue (100%)



- Red (57%)
- Yellow (60%)
- Blue (100%)



- Cyan (43%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3509, 0.2331, 0.2053 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 36.3509, 0.2331, 0.2053 by changing the saturation by 10% instead.

 36.3509, 0.2331,
0.2053


 36.3509, 0.2331,
0.2053


330.4917, 0.2734,
0.2638

 24.7053, 0.2233,
0.1920


 69.5733, 0.2477,
0.2256

 15.8576, 0.2109,
0.1759


 91.9190, 0.2532,
0.2335

 9.4235, 0.1950,
0.1559


118.6001, 0.2578,
0.2404

 5.0184, 0.1740,
0.1310

150.0011, 0.2619,
0.2463

 2.2581, 0.1458,
0.0998

186.5063, 0.2653,
0.2515

 0.7514, 0.1079,
0.0617

228.5003, 0.2684,

 0.0000, 0.0348,

0.2561


0.0000


276.3672, 0.2711,
0.2602


 0.0000, 0.0000,
0.0000


 36.3509, 0.2331,
0.2053

 36.3509, 0.2331,
0.2053


 27.3050, 0.2122,
0.1715


 47.4241, 0.2539,
0.2383


 20.1595, 0.1925,
0.1389


 60.6334, 0.2736,
0.2691

 14.7792, 0.1755,
0.1098

 76.0844, 0.2917,
0.2970

 11.0095, 0.1624,
0.0865

 93.8744, 0.3080,
0.3218

 8.6684, 0.1542,
0.0705

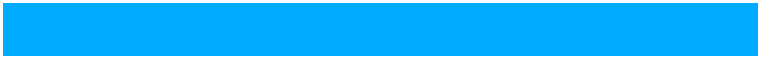
99.9992, 0.3127,
0.3290

■ 7.7567, 0.1511,
0.0640

Harmonies

Analogous

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



36.3509, 0.1867, 0.2081



36.3509, 0.2331, 0.2053



36.3509, 0.3071, 0.2271

Triad

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



36.3509, 0.2331, 0.2053



36.3509, 0.4788, 0.3847



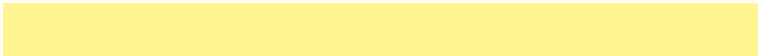
36.3509, 0.2281, 0.3977

Complementary

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



36.3509, 0.2331, 0.2053



89.1588, 0.3807, 0.4282

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.



36.3509, 0.2999, 0.4706



36.3509, 0.2331, 0.2053



36.3509, 0.4458, 0.4433

Square

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



36.3509, 0.2331, 0.2053



36.3509, 0.4611, 0.3242



36.3509, 0.3795, 0.4824



36.3509, 0.1828, 0.3064

Rectangle

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



36.3509, 0.2331, 0.2053



36.3509, 0.3655, 0.2532



36.3509, 0.3795, 0.4824



36.3509, 0.2498, 0.4270

Sweetspot

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



36.3522, 0.2331, 0.2053



76.3517, 0.2920, 0.2974



84.1699, 0.2581, 0.3392



15.5683, 0.2881, 0.2916



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.



36.3522, 0.2331, 0.2053



28.2541, 0.2146, 0.1754



38.5034, 0.2645, 0.2053



17.6184, 0.2979, 0.3065



4.1365, 0.1514, 0.0652



0.4815, 0.1545, 0.0763

Inverse Universe

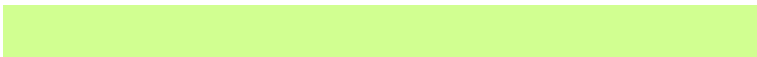
The Inverse Universe completely reimagines the original color for something new.



43.8257, 0.4173, 0.3198



36.9803, 0.4520, 0.3183



87.1305, 0.3457, 0.4483



18.0114, 0.3281, 0.3271



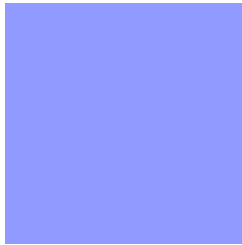
11.1455, 0.6313, 0.3251



1.0931, 0.6130, 0.3150

Previews

White Background



This preview shows how the Yxy color 36.3509, 0.2331, 0.2053 looks on a white background.

Color Contrast Check

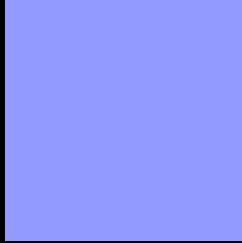
Large Text (above 18pt) WCAG AA × Fail

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 36.3509, 0.2331, 0.2053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

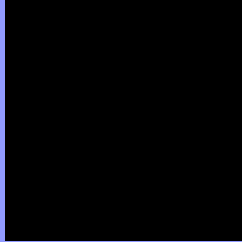
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3509, 0.2331, 0.2053

Background



This preview shows how black text looks on a background with the Yxy color 36.3509, 0.2331, 0.2053.



This preview shows how white text looks on a background with the Yxy color 36.3509, 0.2331, 0.2053.

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

36.3509, 0.2331, 0.2053

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.5099, 0.2184, 0.2122



Tritanopia

36.2305, 0.2662, 0.3078

Trichromacy



Original Color

36.3509, 0.2331, 0.2053

Protanomaly

36.3205, 0.2265, 0.2068

Deuteranomaly

36.3120, 0.2229, 0.2089

Tritanomaly

36.1409, 0.2532, 0.2656

Monochromacy



Original Color

36.3509, 0.2331, 0.2053

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1951, 0.2794, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3509, 0.2331, 0.2053 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(145, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 154, 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(145, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3509, 0.2331, 0.2053 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(145, 154, 255) }
```

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

```
.border{ border-color:rgb(145, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3509, 0.2331, 0.2053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 154, 255) }
```

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

```
.background{ background-color: rgb(145,  
154, 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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