

Converting Colors

$Y_{xy}(36.3714, 0.2373, 0.2043)$

Have a look what the booklet for
Yxy(36.3714, 0.2373, 0.2043)
contains.

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Color

Yxy(36.3519, 0.2373, 0.2042)

Conversions

Conversions Part 1

Format	Color
Hex	9898FF
RGB	152, 152, 255
RGB Percent	60%, 60%, 100%
CMY	0.4035, 0.4040, 0.0000
CMYK	0.40, 0.40, 0.00, 0.00
HSL	240°, 100%, 80%
HSV	240°, 40%, 100%
XYZ	42.2444, 36.3519, 99.4248
YIQ	163.7420, -33.0630, 32.0330

Conversions

Conversions Part 2

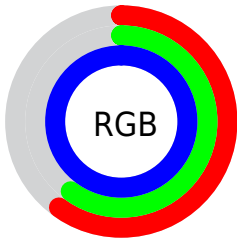
Format	Color
RYB	152, 152, 255
Decimal	10000639
CIELab	66.79, 24.73, -51.29
CIElCh	67, 56.945, 295.740
Yxy	36.3519, 0.2373, 0.2042
Android (android.graphics.Color)	4288190719 (0xFF9898FF)
YUV	163.7420, 44.9902, -10.2977
Hunter-Lab	60.2925, 19.5554, -55.5668

Details

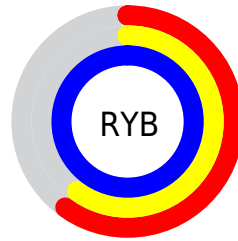
The Yxy color **36.3519, 0.2373, 0.2042** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.0211, 0.3733, 0.4293**, and the grayscale version is **36.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0643, 0.2833, 0.2764**, and **15.8175, 0.2154, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **26.7455, 0.2156, 0.1682**, and if you desaturate by 10%, it is **48.2634, 0.2586, 0.2394**.

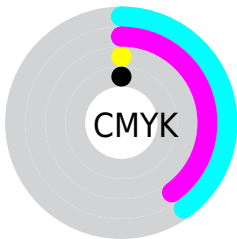
Distribution



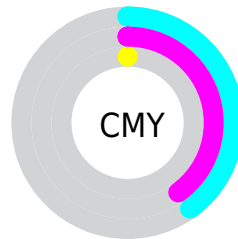
- Red (60%)
- Green (60%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3519, 0.2373, 0.2042 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 36.3519, 0.2373, 0.2042 by changing the saturation by 10% instead.


 36.3519, 0.2373,
0.2042


 36.3519, 0.2373,
0.2042


330.4960, 0.2757,
0.2630

 24.7061, 0.2279,
0.1909


 69.5749, 0.2512,
0.2246

 15.8582, 0.2160,
0.1748


 91.9208, 0.2565,
0.2325

 9.4239, 0.2006,
0.1549


118.6023, 0.2609,
0.2394

 5.0187, 0.1802,
0.1300

150.0037, 0.2647,
0.2453

 2.2582, 0.1527,
0.0990

186.5093, 0.2680,
0.2506

 0.7515, 0.1151,
0.0612

228.5037, 0.2709,


 0.0000, 0.0472,


0.2552

0.0000


276.3711, 0.2735,
0.2593

 0.0000, 0.0000,
0.0000


 36.3519, 0.2373,
0.2042

 36.3519, 0.2373,
0.2042

 26.7455, 0.2156,
0.1682


 48.2634, 0.2586,
0.2394


 19.2974, 0.1947,
0.1338


 62.6182, 0.2785,
0.2723


 13.8400, 0.1765,
0.1037

 79.5409, 0.2963,
0.3019

 10.1824, 0.1626,
0.0807

 99.1485, 0.3121,
0.3280

 8.0964, 0.1539,
0.0663

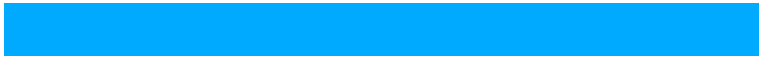
 100.0000, 0.3127,
0.3290

■ 7.2221, 0.1500,
0.0600

Harmonies

Analogous

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



36.3519, 0.1875, 0.2045



36.3519, 0.2373, 0.2042



36.3519, 0.3148, 0.2284

Triad

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



36.3519, 0.2373, 0.2042



36.3519, 0.4809, 0.3909



36.3519, 0.2207, 0.3906

Complementary

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



36.3519, 0.2373, 0.2042



95.0211, 0.3733, 0.4293

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.



36.3519, 0.2920, 0.4696



36.3519, 0.2373, 0.2042



36.3519, 0.4431, 0.4500

Square

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



36.3519, 0.2373, 0.2042



36.3519, 0.4682, 0.3292



36.3519, 0.3733, 0.4872



36.3519, 0.1778, 0.2980

Rectangle

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



36.3519, 0.2373, 0.2042



36.3519, 0.3746, 0.2560



36.3519, 0.3733, 0.4872



36.3519, 0.2420, 0.4215

Sweetspot

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



36.3511, 0.2373, 0.2042



76.6641, 0.2936, 0.2974



85.4123, 0.2570, 0.3288



15.9159, 0.2914, 0.2937



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.



36.3511, 0.2373, 0.2042



28.8524, 0.2208, 0.1768



42.4307, 0.2751, 0.2160



17.3789, 0.2979, 0.3044



3.7742, 0.1501, 0.0600



0.3678, 0.1501, 0.0601

Inverse Universe

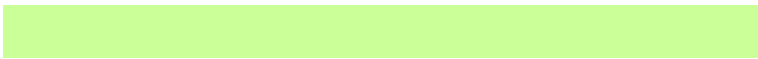
The Inverse Universe completely reimagines the original color for something new.



50.9177, 0.3175, 0.2293



45.1357, 0.3183, 0.2125



86.5505, 0.3383, 0.4424



18.3000, 0.3138, 0.3056



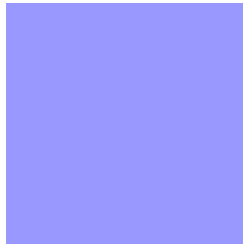
14.8707, 0.3212, 0.1543



1.4480, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 36.3519, 0.2373, 0.2042 looks on a white background.

Color Contrast Check

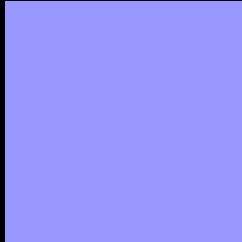
Large Text (above 18pt) WCAG AA × Fail

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 36.3519, 0.2373, 0.2042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

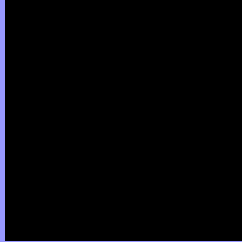
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3519, 0.2373, 0.2042

Background



This preview shows how black text looks on a background with the Yxy color 36.3519, 0.2373, 0.2042.



This preview shows how white text looks on a background with the Yxy color 36.3519, 0.2373, 0.2042.

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

36.3519, 0.2373, 0.2042

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.5773, 0.2189, 0.2123



Tritanopia

36.4098, 0.2735, 0.3095

Trichromacy



Original Color

36.3519, 0.2373, 0.2042

Protanomaly

36.1478, 0.2274, 0.2059

Deuteranomaly

36.1987, 0.2244, 0.2081

Tritanomaly

36.0574, 0.2593, 0.2649

Monochromacy



Original Color

36.3519, 0.2373, 0.2042

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6464, 0.2820, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3519, 0.2373, 0.2042 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(152, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 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(152, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.3519, 0.2373, 0.2042 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(152, 152, 255) }
```

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

```
.border{ border-color:rgb(152, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3519, 0.2373, 0.2042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 255) }
```

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

```
.background{ background-color: rgb(152,  
152, 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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