

Converting Colors

$Y_{xy}(36.6320, 0.2520, 0.2304)$

Have a look what the booklet for
Yxy(36.6320, 0.2520, 0.2304)
contains.

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Color

Yxy(36.5302, 0.2519, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	9A9CE9
RGB	154, 156, 233
RGB Percent	60%, 61%, 91%
CMY	0.3961, 0.3882, 0.0863
CMYK	0.34, 0.33, 0.00, 0.09
HSL	238°, 64%, 76%
HSV	238°, 34%, 91%
XYZ	39.9217, 36.5302, 82.0305
YIQ	164.1800, -25.9090, 23.5230

Conversions

Conversions Part 2

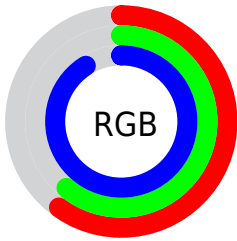
Format	Color
RYB	154, 156, 233
Decimal	10132713
CIELab	66.92, 17.02, -39.01
CIElCh	67, 42.566, 293.573
Yxy	36.5302, 0.2519, 0.2305
Android (android.graphics.Color)	4288322793 (0xFF9A9CE9)
YUV	164.1800, 33.9283, -8.9279
Hunter-Lab	60.4402, 12.1317, -38.1613

Details

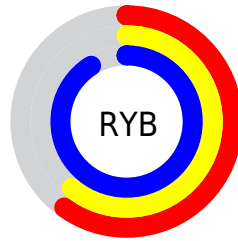
The Yxy color **36.5302, 0.2519, 0.2305** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.8012, 0.3644, 0.4115**, and the grayscale version is **37.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0148, 0.2836, 0.2808**, and **15.9868, 0.2340, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **27.5407, 0.2307, 0.1958**, and if you desaturate by 10%, it is **47.3908, 0.2720, 0.2633**.

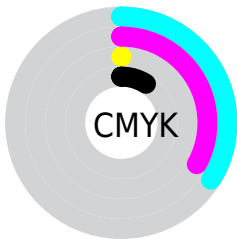
Distribution



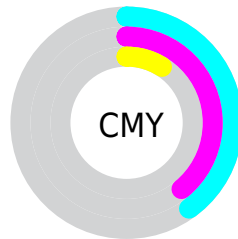
- Red (60%)
- Green (61%)
- Blue (91%)



- Red (60%)
- Yellow (61%)
- Blue (91%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)
- Black (9%)





- Cyan (40%)
- Magenta (39%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5302, 0.2519, 0.2305 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 36.5302, 0.2519, 0.2305 by changing the saturation by 10% instead.

 36.5302, 0.2519,
0.2305


 36.5302, 0.2519,
0.2305


331.2721, 0.2832,
0.2784

 24.8440, 0.2440,
0.2192


 69.8496, 0.2634,
0.2475

 15.9608, 0.2339,
0.2050


 92.2516, 0.2676,
0.2540

 9.4964, 0.2206,
0.1870


118.9943, 0.2713,
0.2596

 5.0664, 0.2024,
0.1635

150.4621, 0.2743,
0.2644

 2.2863, 0.1765,
0.1322

187.0393, 0.2770,
0.2686

 0.7664, 0.1383,
0.0897

229.1105, 0.2793,

 0.0000, 0.0285,

0.2722

0.0000

277.0599, 0.2814,
0.2755

0.0000, 0.0000,
0.0000

36.5302, 0.2519,
0.2305

36.5302, 0.2519,
0.2305

27.5407, 0.2307,
0.1958

47.3908, 0.2720,
0.2633

20.3127, 0.2094,
0.1607

60.2154, 0.2904,
0.2931

14.7320, 0.1894,
0.1277

75.0957, 0.3069,
0.3196

10.6689, 0.1725,
0.0994

92.1165, 0.3213,
0.3427

7.9743, 0.1600,
0.0781

98.6627, 0.3256,
0.3503

■ 6.4694, 0.1527,
0.0653

■ 6.0109, 0.1503,
0.0612

Harmonies

Analogous

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



36.5302, 0.2132, 0.2335



36.5302, 0.2519, 0.2305



36.5302, 0.3107, 0.2484

Triad

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



36.5302, 0.2519, 0.2305



36.5302, 0.4410, 0.3780



36.5302, 0.2472, 0.3795

Complementary

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



36.5302, 0.2519, 0.2305



76.8012, 0.3644, 0.4115

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.



36.5302, 0.3041, 0.4329



36.5302, 0.2519, 0.2305



36.5302, 0.4174, 0.4221

Square

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



36.5302, 0.2519, 0.2305



36.5302, 0.4264, 0.3288



36.5302, 0.3666, 0.4465



36.5302, 0.2101, 0.3127

Rectangle

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



36.5302, 0.2519, 0.2305



36.5302, 0.3551, 0.2701



36.5302, 0.3666, 0.4465



36.5302, 0.2646, 0.4005

Sweetspot

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



36.5316, 0.2519, 0.2305



80.6355, 0.2970, 0.3037



70.8765, 0.2660, 0.3320



16.7217, 0.2946, 0.2999



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.



36.5316, 0.2519, 0.2305



36.5619, 0.2365, 0.2053



40.0536, 0.2806, 0.2355



14.6100, 0.2980, 0.3053



3.4379, 0.1505, 0.0616



0.2916, 0.1517, 0.0660

Inverse Universe

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



42.8348, 0.3905, 0.3269



45.5198, 0.4159, 0.3265



72.3593, 0.3366, 0.4216



15.0602, 0.3289, 0.3284



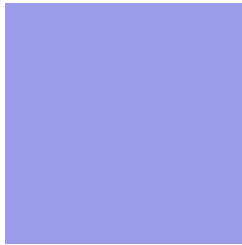
9.8399, 0.6373, 0.3285



0.7749, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 36.5302, 0.2519, 0.2305 looks on a white background.

Color Contrast Check

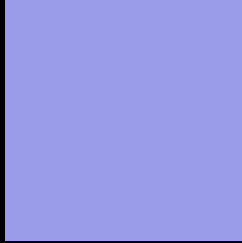
Large Text (above 18pt) WCAG AA × Fail

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 36.5302, 0.2519, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

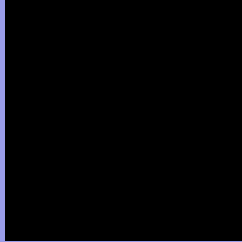
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5302, 0.2519, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 36.5302, 0.2519, 0.2305.



This preview shows how white text looks on a background with the Yxy color 36.5302, 0.2519, 0.2305.

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

36.5302, 0.2519, 0.2305

Protanopia

36.6010, 0.2399, 0.2299

Deuteranopia

36.6343, 0.2417, 0.2353



Tritanopia

36.6835, 0.2805, 0.3098

Trichromacy



Original Color

36.5302, 0.2519, 0.2305

Protanomaly

36.7237, 0.2442, 0.2306

Deuteranomaly

36.4621, 0.2453, 0.2336

Tritanomaly

36.4289, 0.2694, 0.2783

Monochromacy



Original Color

36.5302, 0.2519, 0.2305

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6374, 0.2883, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5302, 0.2519, 0.2305 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(154, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(154, 156, 233)  
}
```

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(154, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 156, 233) }
```

Border

The CSS property to change the border of an element to Yxy 36.5302, 0.2519, 0.2305 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(154, 156, 233) }
```

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

```
.border{ border-color:rgb(154, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(154, 156,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5302, 0.2519, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 156, 233) }
```

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

```
.background{ background-color: rgb(154,  
156, 233) }
```

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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