

Converting Colors

$Y_{xy}(34.9758, 0.2430, 0.2196)$

Have a look what the booklet for
Yxy(34.9758, 0.2430, 0.2196)
contains.

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Color

Yxy(35.1586, 0.2434, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	9399EE
RGB	147, 153, 238
RGB Percent	58%, 60%, 93%
CMY	0.4234, 0.4000, 0.0666
CMYK	0.38, 0.36, 0.00, 0.07
HSL	236°, 73%, 76%
HSV	236°, 38%, 93%
XYZ	38.8629, 35.1586, 85.6452
YIQ	160.8960, -30.8610, 25.1630

Conversions

Conversions Part 2

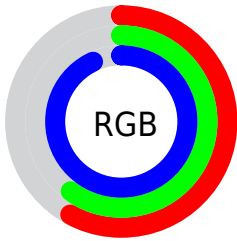
Format	Color
RYB	147, 153, 238
Decimal	9673198
CIELab	65.87, 18.21, -43.46
CIELCh	66, 47.123, 292.737
Yxy	35.1586, 0.2434, 0.2202
Android (android.graphics.Color)	4287863278 (0xFF9399EE)
YUV	160.8960, 38.0123, -12.1868
Hunter-Lab	59.2947, 13.2266, -44.1321

Details

The Yxy color **35.1586, 0.2434, 0.2202** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.0385, 0.3722, 0.4185**, and the grayscale version is **35.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6830, 0.2794, 0.2769**, and **15.1555, 0.2228, 0.1918** is the 20% darker color. If you saturate the color by 10%, you get **26.5672, 0.2224, 0.1862**, and if you desaturate by 10%, it is **45.5650, 0.2638, 0.2527**.

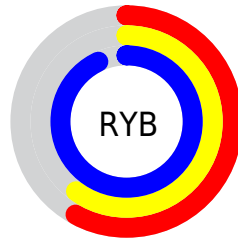
Distribution



Red (58%)

Green (60%)

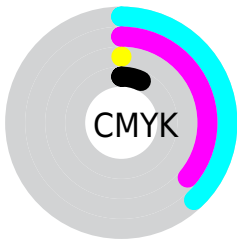
Blue (93%)



Red (58%)

Yellow (60%)

Blue (93%)

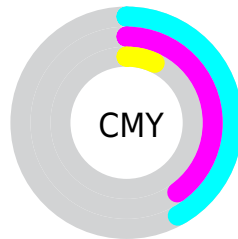


Cyan (38%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (42%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1586, 0.2434, 0.2202 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 35.1586, 0.2434, 0.2202 by changing the saturation by 10% instead.

■ 35.1586, 0.2434,
0.2202

■ 35.1586, 0.2434,
0.2202

■ 325.2678, 0.2790,
0.2729

■ 23.7851, 0.2345,
0.2078

■ 67.7314, 0.2564,
0.2388

■ 15.1743, 0.2231,
0.1925

■ 89.6994, 0.2613,
0.2460

■ 8.9418, 0.2082,
0.1732

■ 115.9678, 0.2654,
0.2521

■ 4.7032, 0.1880,
0.1483

■ 146.9208, 0.2689,
0.2574

■ 2.0742, 0.1599,
0.1158

■ 182.9430, 0.2720,
0.2620

■ 0.6501, 0.1201,
0.0721

■ 224.4186, 0.2746,


■ 0.0000, 0.0029,


0.2661


0.0000

271.7321, 0.2770,
0.2697


 0.0000, 0.0000,
0.0000


 35.1586, 0.2434,
0.2202

 35.1586, 0.2434,
0.2202


 26.5672, 0.2224,
0.1862

 45.5650, 0.2638,
0.2527

 19.6830, 0.2018,
0.1525


 57.8780, 0.2828,
0.2826


 14.3929, 0.1832,
0.1213

 72.1877, 0.3000,
0.3094

 10.5686, 0.1679,
0.0950

 88.5776, 0.3153,
0.3329

 8.0616, 0.1573,
0.0758

 98.9545, 0.3226,
0.3454

■ 6.6856, 0.1516,
0.0644

■ 6.5331, 0.1509,
0.0631

Harmonies

Analogous

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



35.1586, 0.2020, 0.2236



35.1586, 0.2434, 0.2202



35.1586, 0.3080, 0.2393

Triad

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



35.1586, 0.2434, 0.2202



35.1586, 0.4561, 0.3800



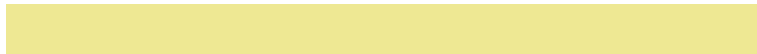
35.1586, 0.2408, 0.3880

Complementary

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



35.1586, 0.2434, 0.2202



78.0385, 0.3722, 0.4185

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.



35.1586, 0.3040, 0.4481



35.1586, 0.2434, 0.2202



35.1586, 0.4298, 0.4301

Square

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



35.1586, 0.2434, 0.2202



35.1586, 0.4392, 0.3262



35.1586, 0.3733, 0.4605



35.1586, 0.1998, 0.3117

Rectangle

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



35.1586, 0.2434, 0.2202



35.1586, 0.3578, 0.2626



35.1586, 0.3733, 0.4605



35.1586, 0.2600, 0.4119

Sweetspot

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



35.1599, 0.2434, 0.2202



79.4637, 0.2953, 0.3022



73.1931, 0.2625, 0.3361



16.5107, 0.2930, 0.2986



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.



35.1599, 0.2434, 0.2202



32.9658, 0.2267, 0.1933



37.5485, 0.2728, 0.2215



15.3949, 0.2979, 0.3062



3.7075, 0.1512, 0.0641



0.3663, 0.1541, 0.0746

Inverse Universe

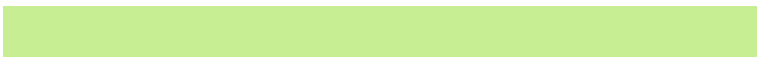
The Inverse Universe completely reimagines the original color for something new.



41.3581, 0.4013, 0.3226



41.4072, 0.4302, 0.3214



75.3576, 0.3414, 0.4339



15.7756, 0.3283, 0.3275



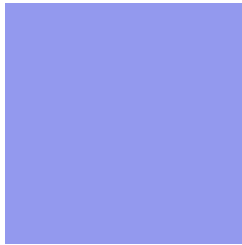
10.1676, 0.6331, 0.3261



0.8517, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 35.1586, 0.2434, 0.2202 looks on a white background.

Color Contrast Check

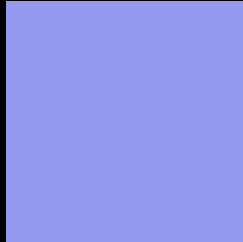
Large Text (above 18pt) WCAG AA × Fail

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 35.1586, 0.2434, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

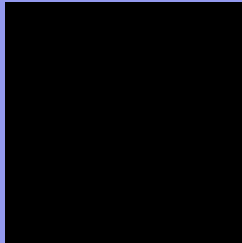
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1586, 0.2434, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 35.1586, 0.2434, 0.2202.



This preview shows how white text looks on a background with the Yxy color 35.1586, 0.2434, 0.2202.

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

35.1586, 0.2434, 0.2202

Protanopia

35.2106, 0.2315, 0.2195

Deuteranopia

35.3463, 0.2316, 0.2256



Tritanopia

35.1112, 0.2745, 0.3093

Trichromacy



Original Color

35.1586, 0.2434, 0.2202

Protanomaly

35.3024, 0.2356, 0.2202

Deuteranomaly

35.2967, 0.2361, 0.2242

Tritanomaly

35.0631, 0.2622, 0.2732

Monochromacy



Original Color

35.1586, 0.2434, 0.2202

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.1958, 0.2846, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1586, 0.2434, 0.2202 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(147, 153, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 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(147, 153, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 238) }
```

Border

The CSS property to change the border of an element to Yxy 35.1586, 0.2434, 0.2202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

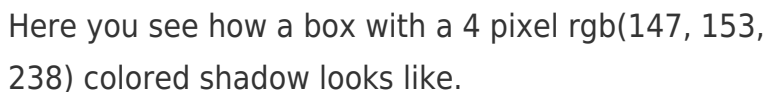
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 153, 238) }
```

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

```
.border{ border-color:rgb(147, 153, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 153, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 153, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 153, 238); box-shadow:4px 4px 4px 4px rgb(147, 153, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1586, 0.2434, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 238) }
```

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

```
.background{ background-color: rgb(147,  
153, 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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