

Converting Colors

$Yxy(34.7389, 0.2465, 0.2185)$

Have a look what the booklet for
Yxy(34.7389, 0.2465, 0.2185)
contains.

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Color

Yxy(34.6025, 0.2470, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	9896ED
RGB	152, 150, 237
RGB Percent	60%, 59%, 93%
CMY	0.4037, 0.4118, 0.0705
CMYK	0.36, 0.37, 0.00, 0.07
HSL	241°, 71%, 76%
HSV	241°, 37%, 93%
XYZ	39.1517, 34.6025, 84.7547
YIQ	160.5160, -26.7350, 27.4810

Conversions

Conversions Part 2

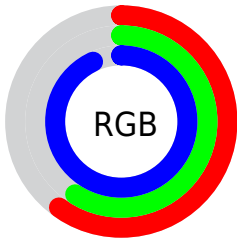
Format	Color
RYB	152, 150, 237
Decimal	10000109
CIELab	65.44, 21.00, -43.57
CIELCh	65, 48.365, 295.736
Yxy	34.6025, 0.2470, 0.2183
Android (android.graphics.Color)	4288190189 (0xFF9896ED)
YUV	160.5160, 37.7066, -7.4685
Hunter-Lab	58.8239, 15.8633, -44.2496

Details

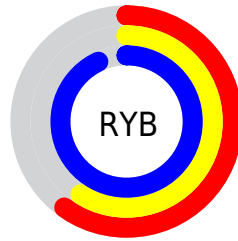
The Yxy color **34.6025, 0.2470, 0.2183** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.4377, 0.3664, 0.4208**, and the grayscale version is **35.2403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9610, 0.2825, 0.2741**, and **14.8013, 0.2268, 0.1893** is the 20% darker color. If you saturate the color by 10%, you get **25.7701, 0.2257, 0.1827**, and if you desaturate by 10%, it is **45.4027, 0.2674, 0.2524**.

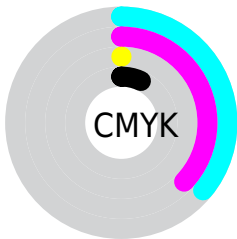
Distribution



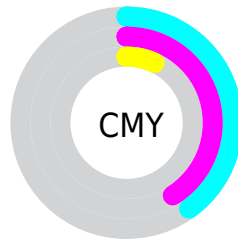
- Red (60%)
- Green (59%)
- Blue (93%)



- Red (60%)
- Yellow (59%)
- Blue (93%)



- Cyan (36%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)



- Cyan (40%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6025, 0.2470, 0.2183 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 34.6025, 0.2470, 0.2183 by changing the saturation by 10% instead.

 34.6025, 0.2470,
0.2183


 34.6025, 0.2470,
0.2183


322.8103, 0.2810,
0.2718

 23.3568, 0.2384,
0.2058

 66.8695, 0.2595,
0.2372

 14.8572, 0.2274,
0.1903


 88.6597, 0.2642,
0.2444

 8.7192, 0.2129,
0.1707


114.7334, 0.2681,
0.2507

 4.5585, 0.1931,
0.1456

145.4752, 0.2715,
0.2561

 1.9906, 0.1654,
0.1129

181.2694, 0.2743,
0.2608

 0.6020, 0.1258,
0.0683

222.5004, 0.2769,

 0.0000, 0.0094,

0.2649

0.0000

269.5525, 0.2791,
0.2686

0.0000, 0.0000,
0.0000

34.6025, 0.2470,
0.2183

34.6025, 0.2470,
0.2183

25.7701, 0.2257,
0.1827

45.4027, 0.2674,
0.2524

18.7834, 0.2045,
0.1477

58.2753, 0.2860,
0.2839

13.5127, 0.1851,
0.1158

73.3219, 0.3027,
0.3120

9.8101, 0.1691,
0.0897

90.6366, 0.3173,
0.3367

7.5024, 0.1578,
0.0716

98.8959, 0.3232,
0.3463

■ 6.3719, 0.1517,
0.0622

■ 6.1524, 0.1505,
0.0603

Harmonies

Analogous

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



34.6025, 0.2020, 0.2192



34.6025, 0.2470, 0.2183



34.6025, 0.3153, 0.2400

Triad

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



34.6025, 0.2470, 0.2183



34.6025, 0.4596, 0.3864



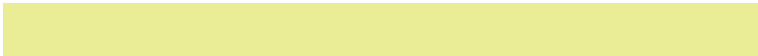
34.6025, 0.2331, 0.3821

Complementary

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



34.6025, 0.2470, 0.2183



80.4377, 0.3664, 0.4208

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.



34.6025, 0.2964, 0.4481



34.6025, 0.2470, 0.2183



34.6025, 0.4283, 0.4371

Square

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



34.6025, 0.2470, 0.2183



34.6025, 0.4471, 0.3311



34.6025, 0.3679, 0.4657



34.6025, 0.1940, 0.3037

Rectangle

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



34.6025, 0.2470, 0.2183



34.6025, 0.3668, 0.2649



34.6025, 0.3679, 0.4657



34.6025, 0.2521, 0.4077

Sweetspot

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



34.6038, 0.2470, 0.2183



78.5626, 0.2958, 0.3003



72.3442, 0.2611, 0.3271



16.2982, 0.2935, 0.2964



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.



34.6038, 0.2470, 0.2183



32.8681, 0.2311, 0.1918



39.5188, 0.2808, 0.2279



14.5661, 0.2983, 0.3047



3.3661, 0.1508, 0.0604



0.2704, 0.1528, 0.0615

Inverse Universe

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



45.8109, 0.3187, 0.2401



47.8937, 0.3200, 0.2232



73.9976, 0.3353, 0.4311



15.3072, 0.3142, 0.3063



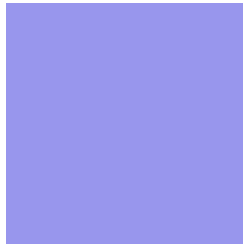
12.9934, 0.3269, 0.1575



1.0223, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 34.6025, 0.2470, 0.2183 looks on a white background.

Color Contrast Check

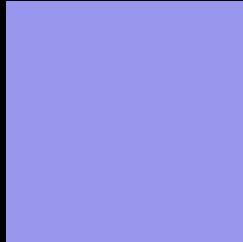
Large Text (above 18pt) WCAG AA × Fail

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 34.6025, 0.2470, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

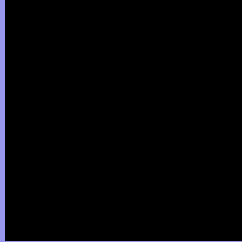
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6025, 0.2470, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 34.6025, 0.2470, 0.2183.



This preview shows how white text looks on a background with the Yxy color 34.6025, 0.2470, 0.2183.

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

34.6025, 0.2470, 0.2183

Protanopia

34.7769, 0.2296, 0.2169

Deuteranopia

34.8119, 0.2318, 0.2262



Tritanopia

34.7322, 0.2798, 0.3094

Trichromacy



Original Color

34.6025, 0.2470, 0.2183

Protanomaly

34.7208, 0.2358, 0.2177

Deuteranomaly

34.6497, 0.2368, 0.2227

Tritanomaly

34.3706, 0.2670, 0.2719

Monochromacy



Original Color

34.6025, 0.2470, 0.2183

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.0572, 0.2863, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6025, 0.2470, 0.2183 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, 150, 237)` looks like.

```
.text, #text, p{  
    color:rgb(152, 150, 237)  
}
```

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, 150, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 150, 237) }
```

Border

The CSS property to change the border of an element to Yxy 34.6025, 0.2470, 0.2183 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, 150, 237) }
```

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

```
.border{ border-color:rgb(152, 150, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 150, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 150, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 150, 237);  
box-shadow:4px 4px 4px 4px rgb(152, 150,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6025, 0.2470, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 150, 237) }
```

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

```
.background{ background-color: rgb(152,  
150, 237) }
```

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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