

Converting Colors

$Y_{xy}(34.4643, 0.2504, 0.2235)$

Have a look what the booklet for
Yxy(34.4643, 0.2504, 0.2235)
contains.

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Color

Yxy(34.4112, 0.2508, 0.2235)

Conversions

Conversions Part 1

Format	Color
Hex	9996E8
RGB	153, 150, 232
RGB Percent	60%, 59%, 91%
CMY	0.3998, 0.4118, 0.0903
CMYK	0.34, 0.35, 0.00, 0.09
HSL	242°, 64%, 75%
HSV	242°, 35%, 91%
XYZ	38.6144, 34.4112, 80.9395
YIQ	160.2450, -24.5340, 26.1380

Conversions

Conversions Part 2

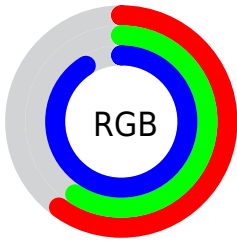
Format	Color
R _Y B	153, 150, 232
Decimal	10065640
CIE Lab	65.29, 19.94, -41.02
CIE LCh	65, 45.612, 295.922
Yxy	34.4112, 0.2508, 0.2235
Android (android.graphics.Color)	4288255720 (0xFF9996E8)
YUV	160.2450, 35.3752, -6.3539
Hunter-Lab	58.6611, 14.8432, -40.7445

Details

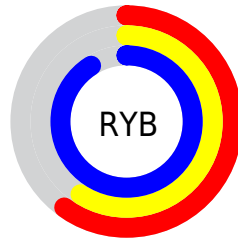
The Yxy color **34.4112, 0.2508, 0.2235** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.5514, 0.3636, 0.4176**, and the grayscale version is **35.1189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9610, 0.2825, 0.2741**, and **14.7109, 0.2321, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **25.7536, 0.2298, 0.1882**, and if you desaturate by 10%, it is **44.9435, 0.2707, 0.2572**.

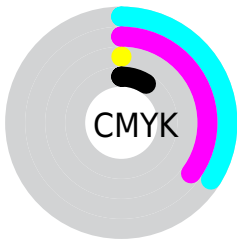
Distribution



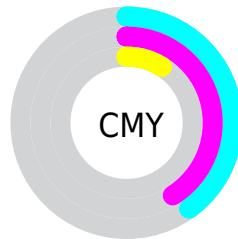
- Red (60%)
- Green (59%)
- Blue (91%)



- Red (60%)
- Yellow (59%)
- Blue (91%)



- Cyan (34%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4112, 0.2508, 0.2235 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 34.4112, 0.2508, 0.2235 by changing the saturation by 10% instead.

■ 34.4112, 0.2508,
0.2235

■ 34.4112, 0.2508,
0.2235

■ 321.9617, 0.2830,
0.2749

■ 23.2097, 0.2426,
0.2114

■ 66.5726, 0.2627,
0.2417

■ 14.7484, 0.2320,
0.1963

■ 88.3013, 0.2671,
0.2487

■ 8.6430, 0.2181,
0.1771

■ 114.3078, 0.2708,
0.2546

■ 4.5091, 0.1989,
0.1522

■ 144.9765, 0.2740,
0.2598

■ 1.9622, 0.1716,
0.1194

■ 180.6919, 0.2767,
0.2643

■ 0.5854, 0.1319,
0.0728

■ 221.8383, 0.2791,

■ 0.0000, 0.0000,

0.2682

0.0000

268.8001, 0.2812,
0.2717

■ 34.4112, 0.2508,
0.2235

■ 34.4112, 0.2508,
0.2235

■ 25.7536, 0.2298,
0.1882

■ 44.9435, 0.2707,
0.2572

■ 18.8571, 0.2087,
0.1531

■ 57.4473, 0.2888,
0.2880

■ 13.6020, 0.1890,
0.1206

■ 72.0175, 0.3049,
0.3156

■ 9.8520, 0.1723,
0.0936

■ 88.7416, 0.3190,
0.3399

■ 7.4490, 0.1600,
0.0742

■ 98.6054, 0.3262,
0.3513

■ 6.1993, 0.1527,
0.0633

■ 5.8814, 0.1509,
0.0605

Harmonies

Analogous

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



34.4112, 0.2075, 0.2245



34.4112, 0.2508, 0.2235



34.4112, 0.3158, 0.2444

Triad

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



34.4112, 0.2508, 0.2235



34.4112, 0.4518, 0.3849



34.4112, 0.2371, 0.3786

Complementary

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



34.4112, 0.2508, 0.2235



76.5514, 0.3636, 0.4176

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.



34.4112, 0.2973, 0.4405



34.4112, 0.2508, 0.2235



34.4112, 0.4225, 0.4324

Square

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



34.4112, 0.2508, 0.2235



34.4112, 0.4399, 0.3320



34.4112, 0.3653, 0.4582



34.4112, 0.1996, 0.3052

Rectangle

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



34.4112, 0.2508, 0.2235



34.4112, 0.3644, 0.2684



34.4112, 0.3653, 0.4582



34.4112, 0.2552, 0.4026

Sweetspot

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



34.4125, 0.2508, 0.2235



78.6247, 0.2960, 0.3003



68.4868, 0.2625, 0.3256



16.3129, 0.2938, 0.2965



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.



34.4125, 0.2508, 0.2235



35.0348, 0.2364, 0.1993



39.0671, 0.2835, 0.2324



13.9127, 0.2986, 0.3047



3.2776, 0.1512, 0.0607



0.2513, 0.1546, 0.0625

Inverse Universe

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



44.6153, 0.3195, 0.2444



49.3731, 0.3209, 0.2289



70.6305, 0.3336, 0.4271



14.6054, 0.3144, 0.3067



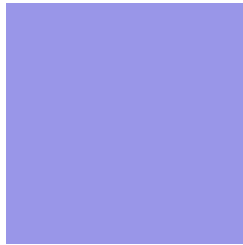
12.4960, 0.3305, 0.1594



0.9263, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 34.4112, 0.2508, 0.2235 looks on a white background.

Color Contrast Check

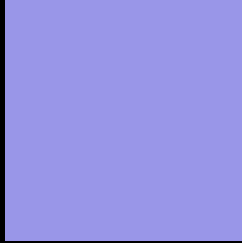
Large Text (above 18pt) WCAG AA × Fail

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 34.4112, 0.2508, 0.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

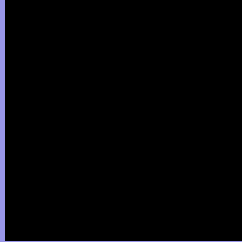
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4112, 0.2508, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 34.4112, 0.2508, 0.2235.



This preview shows how white text looks on a background with the Yxy color 34.4112, 0.2508, 0.2235.

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

34.4112, 0.2508, 0.2235

Protanopia

34.7167, 0.2340, 0.2223

Deuteranopia

34.4942, 0.2367, 0.2307



Tritanopia

34.5113, 0.2822, 0.3094

Trichromacy



Original Color

34.4112, 0.2508, 0.2235

Protanomaly

34.5983, 0.2398, 0.2231

Deuteranomaly

34.2840, 0.2414, 0.2270

Tritanomaly

34.4590, 0.2700, 0.2748

Monochromacy



Original Color

34.4112, 0.2508, 0.2235

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.4902, 0.2878, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4112, 0.2508, 0.2235 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(153, 150, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 150, 232)  
}
```

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(153, 150, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 150, 232) }
```

Border

The CSS property to change the border of an element to Yxy 34.4112, 0.2508, 0.2235 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(153, 150, 232) }
```

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

```
.border{ border-color:rgb(153, 150, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 150, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 150, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 150, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 150,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4112, 0.2508, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 150, 232) }
```

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

```
.background{ background-color: rgb(153,  
150, 232) }
```

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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