

Converting Colors

$Y_{xy}(35.5137, 0.2303, 0.2040)$

Have a look what the booklet for
Yxy(35.5137, 0.2303, 0.2040)
contains.

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Color

Yxy(35.5137, 0.2303, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	8C99FE
RGB	140, 153, 254
RGB Percent	55%, 60%, 100%
CMY	0.4509, 0.4000, 0.0040
CMYK	0.45, 0.40, 0.00, 0.00
HSL	233°, 98%, 77%
HSV	233°, 45%, 100%
XYZ	40.0922, 35.5137, 98.4809
YIQ	160.6270, -40.1690, 28.6550

Conversions

Conversions Part 2

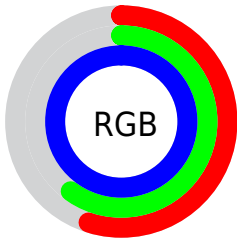
Format	Color
R _Y B	140, 152, 254
Decimal	9214462
CIE _{Lab}	66.15, 20.90, -51.78
CIE _{LCh}	66, 55.844, 291.980
Y _{xy}	35.5137, 0.2303, 0.2040
Android (android.graphics.Color)	4287404542 (0xFF8C99FE)
YUV	160.6270, 46.0329, -18.0899
Hunter-Lab	59.5934, 15.7997, -56.2642

Details

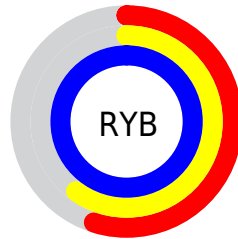
The Yxy color **35.5137, 0.2303, 0.2040** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.8512, 0.3848, 0.4288**, and the grayscale version is **35.2569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8514, 0.2755, 0.2763**, and **15.3278, 0.2070, 0.1733** is the 20% darker color. If you saturate the color by 10%, you get **26.8730, 0.2099, 0.1711**, and if you desaturate by 10%, it is **46.0546, 0.2508, 0.2362**.

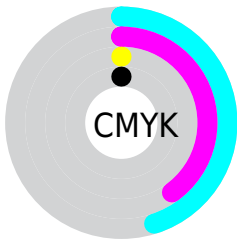
Distribution



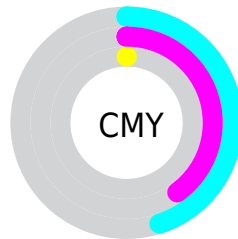
- Red (55%)
- Green (60%)
- Blue (100%)



- Red (55%)
- Yellow (60%)
- Blue (100%)



- Cyan (45%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5137, 0.2303, 0.2040 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 35.5137, 0.2303, 0.2040 by changing the saturation by 10% instead.


 35.5137, 0.2303,
0.2040


 35.5137, 0.2303,
0.2040


326.8300, 0.2721,
0.2634

 24.0589, 0.2201,
0.1905


 68.2808, 0.2454,
0.2246

 15.3773, 0.2073,
0.1741


 90.3619, 0.2511,
0.2327

 9.0846, 0.1908,
0.1538


116.7538, 0.2559,
0.2396

 4.7964, 0.1692,
0.1284

147.8409, 0.2601,
0.2456

 2.1283, 0.1403,
0.0968

184.0077, 0.2637,
0.2509

 0.6805, 0.1016,
0.0577

225.6386, 0.2668,

 0.0000, 0.0196,

0.2555

0.0000

273.1179, 0.2696,
0.2597

■ 0.0000, 0.0000,
0.0000

■ 35.5137, 0.2303,
0.2040

■ 35.5137, 0.2303,
0.2040

■ 26.8730, 0.2099,
0.1711

■ 46.0546, 0.2508,
0.2362

■ 20.0151, 0.1908,
0.1394

■ 58.5961, 0.2705,
0.2663

■ 14.8149, 0.1744,
0.1110

■ 73.2362, 0.2888,
0.2938

■ 11.1298, 0.1620,
0.0880

■ 90.0652, 0.3053,
0.3182

■ 8.7916, 0.1542,
0.0720

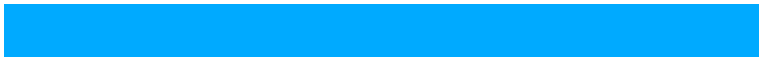
■ 99.9338, 0.3133,
0.3300

■ 8.0310, 0.1518,
0.0665

Harmonies

Analogous

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



35.5137, 0.1846, 0.2076



35.5137, 0.2303, 0.2040



35.5137, 0.3041, 0.2252

Triad

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



35.5137, 0.2303, 0.2040



35.5137, 0.4806, 0.3829



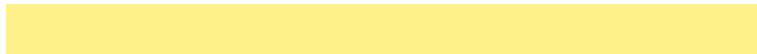
35.5137, 0.2294, 0.4016

Complementary

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



35.5137, 0.2303, 0.2040



85.8512, 0.3848, 0.4288

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.



35.5137, 0.3024, 0.4737



35.5137, 0.2303, 0.2040



35.5137, 0.4487, 0.4422

Square

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



35.5137, 0.2303, 0.2040



35.5137, 0.4609, 0.3220



35.5137, 0.3826, 0.4831



35.5137, 0.1827, 0.3089

Rectangle

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



35.5137, 0.2303, 0.2040



35.5137, 0.3629, 0.2510



35.5137, 0.3826, 0.4831



35.5137, 0.2515, 0.4309

Sweetspot

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



35.5150, 0.2303, 0.2040



76.9184, 0.2920, 0.2986



82.7715, 0.2581, 0.3441



15.7060, 0.2882, 0.2929



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.



35.5150, 0.2303, 0.2040



27.7998, 0.2116, 0.1740



36.0649, 0.2591, 0.1990



17.7112, 0.2979, 0.3072



4.3394, 0.1522, 0.0680



0.5252, 0.1562, 0.0823

Inverse Universe

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



42.1238, 0.4196, 0.3157



35.7463, 0.4551, 0.3136



86.5010, 0.3493, 0.4521



18.0208, 0.3276, 0.3263



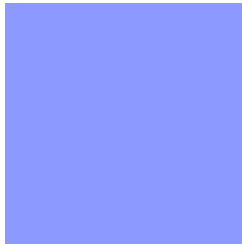
11.1660, 0.6266, 0.3225



1.0976, 0.6033, 0.3097

Previews

White Background



This preview shows how the Yxy color 35.5137, 0.2303, 0.2040 looks on a white background.

Color Contrast Check

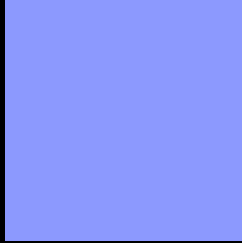
Large Text (above 18pt) WCAG AA × Fail

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 35.5137, 0.2303, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

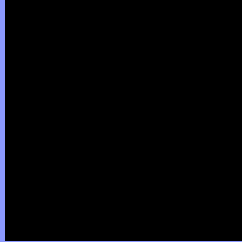
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5137, 0.2303, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 35.5137, 0.2303, 0.2040.



This preview shows how white text looks on a background with the Yxy color 35.5137, 0.2303, 0.2040.

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

35.5137, 0.2303, 0.2040

Protanopia

35.5449, 0.2209, 0.2051

Deuteranopia

35.4849, 0.2163, 0.2099



Tritanopia

35.3757, 0.2624, 0.3075

Trichromacy



Original Color

35.5137, 0.2303, 0.2040

Protanomaly

35.6641, 0.2240, 0.2049

Deuteranomaly

35.2707, 0.2207, 0.2066

Tritanomaly

35.2605, 0.2495, 0.2647

Monochromacy



Original Color

35.5137, 0.2303, 0.2040

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.1662, 0.2774, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5137, 0.2303, 0.2040 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(140, 153, 254)` looks like.

```
.text, #text, p{  
    color:rgb(140, 153, 254)  
}
```

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(140, 153, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 153, 254) }
```

Border

The CSS property to change the border of an element to Yxy 35.5137, 0.2303, 0.2040 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(140, 153, 254) }
```

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

```
.border{ border-color:rgb(140, 153, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 153, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 153, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 153, 254);  
box-shadow:4px 4px 4px 4px rgb(140, 153,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5137, 0.2303, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 153, 254) }
```

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

```
.background{ background-color: rgb(140,  
153, 254) }
```

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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