

Converting Colors

$Y_{xy}(34.7946, 0.2279, 0.2004)$

Have a look what the booklet for
Yxy(34.7946, 0.2279, 0.2004)
contains.

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Color

Yxy(34.7565, 0.2281, 0.2002)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8A97FF |
| RGB | 138, 151, 255 |
| RGB Percent | 54%, 59%, 100% |
| CMY | 0.4588, 0.4078, 0.0000 |
| CMYK | 0.46, 0.41, 0.00, 0.00 |
| HSL | 233°, 100%, 77% |
| HSV | 233°, 46%, 100% |
| XYZ | 39.6002, 34.7565, 99.2522 |
| YIQ | 158.9690, -41.1320, 29.5880 |

Conversions

Conversions Part 2

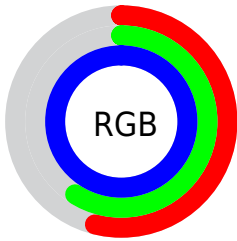
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 138, 150, 255 |
| Decimal | 9082879 |
| CIELab | 65.56, 21.90, -53.30 |
| CIElCh | 66, 57.624, 292.332 |
| Yxy | 34.7565, 0.2281, 0.2002 |
| Android (android.graphics.Color) | 4287272959 (0xFF8A97FF) |
| YUV | 158.9690, 47.3433, -18.3898 |
| Hunter-Lab | 58.9546, 16.7289, -58.5485 |

Details

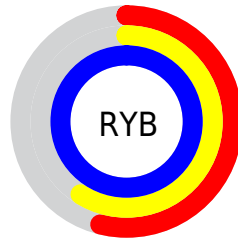
The Yxy color **34.7565, 0.2281, 0.2002** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.5970, 0.3863, 0.4312**, and the grayscale version is **34.4488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6184, 0.2740, 0.2739**, and **14.8538, 0.2039, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **26.2228, 0.2077, 0.1673**, and if you desaturate by 10%, it is **45.2019, 0.2487, 0.2326**.

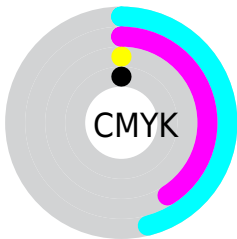
Distribution



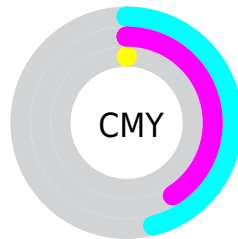
- Red (54%)
- Green (59%)
- Blue (100%)



- Red (54%)
- Yellow (59%)
- Blue (100%)



- Cyan (46%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7565, 0.2281, 0.2002 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 34.7565, 0.2281, 0.2002 by changing the saturation by 10% instead.


 34.7565, 0.2281,
0.2002

 34.7565, 0.2281,
0.2002


323.4922, 0.2711,
0.2613

 23.4754, 0.2176,
0.1864


 67.1084, 0.2436,
0.2214

 14.9449, 0.2045,
0.1696


 88.9479, 0.2495,
0.2297

 8.7807, 0.1876,
0.1489


115.0757, 0.2545,
0.2368

 4.5984, 0.1655,
0.1232

145.8761, 0.2587,
0.2430

 2.0136, 0.1360,
0.0915

181.7336, 0.2624,
0.2484

 0.6154, 0.0972,
0.0520

223.0325, 0.2657,

 0.0000, 0.0124,

0.2532

0.0000

270.1573, 0.2685,
0.2575

■ 0.0000, 0.0000,
0.0000

■ 34.7565, 0.2281,
0.2002

■ 34.7565, 0.2281,
0.2002

■ 26.2228, 0.2077,
0.1673

■ 45.2019, 0.2487,
0.2326

■ 19.4857, 0.1888,
0.1358

■ 57.6678, 0.2685,
0.2631

■ 14.4146, 0.1728,
0.1078

■ 72.2525, 0.2870,
0.2910

■ 10.8620, 0.1608,
0.0856

■ 89.0486, 0.3037,
0.3158

■ 8.6529, 0.1536,
0.0705

100.0000, 0.3127,
0.3290

■ 8.0667, 0.1518,
0.0663

Harmonies

Analogous

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



34.7565, 0.1809, 0.2034



34.7565, 0.2281, 0.2002



34.7565, 0.3046, 0.2223

Triad

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



34.7565, 0.2281, 0.2002



34.7565, 0.4865, 0.3844



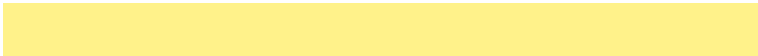
34.7565, 0.2253, 0.4035

Complementary

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



34.7565, 0.2281, 0.2002



86.5970, 0.3863, 0.4312

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.



34.7565, 0.3004, 0.4796



34.7565, 0.2281, 0.2002



34.7565, 0.4523, 0.4460

Square

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



34.7565, 0.2281, 0.2002



34.7565, 0.4672, 0.3219



34.7565, 0.3833, 0.4891



34.7565, 0.1780, 0.3066

Rectangle

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



34.7565, 0.2281, 0.2002



34.7565, 0.3657, 0.2490



34.7565, 0.3833, 0.4891



34.7565, 0.2481, 0.4344

Sweetspot

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



34.7559, 0.2281, 0.2002



75.2451, 0.2903, 0.2959



83.2947, 0.2572, 0.3445



15.3734, 0.2865, 0.2903



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.



34.7559, 0.2281, 0.2002



26.9030, 0.2095, 0.1702



35.4443, 0.2575, 0.1958



17.7026, 0.2979, 0.3072



4.3184, 0.1522, 0.0677



0.5211, 0.1560, 0.0817

Inverse Universe

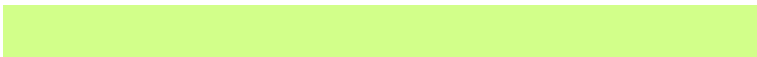
The Inverse Universe completely reimagines the original color for something new.



41.6701, 0.4237, 0.3158



35.0853, 0.4598, 0.3139



87.0783, 0.3499, 0.4550



18.0199, 0.3277, 0.3264



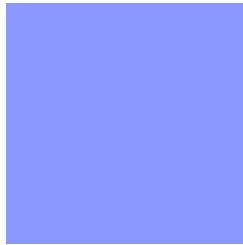
11.1639, 0.6271, 0.3228



1.0972, 0.6042, 0.3102

Previews

White Background



This preview shows how the Yxy color 34.7565, 0.2281, 0.2002 looks on a white background.

Color Contrast Check

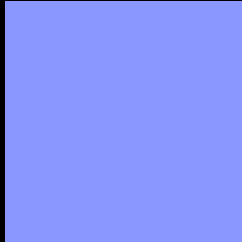
Large Text (above 18pt) WCAG AA × Fail

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 34.7565, 0.2281, 0.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

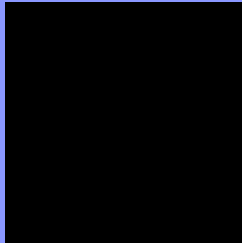
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7565, 0.2281, 0.2002

Background



This preview shows how black text looks on a background with the Yxy color 34.7565, 0.2281, 0.2002.



This preview shows how white text looks on a background with the Yxy color 34.7565, 0.2281, 0.2002.

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

34.7565, 0.2281, 0.2002

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

34.8914, 0.2132, 0.2069



Tritanopia

34.7146, 0.2614, 0.3087

Trichromacy



Original Color

34.7565, 0.2281, 0.2002

Protanomaly

34.8432, 0.2223, 0.2020

Deuteranomaly

34.7146, 0.2179, 0.2038

Tritanomaly

34.3547, 0.2483, 0.2627

Monochromacy



Original Color

34.7565, 0.2281, 0.2002

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2513, 0.2763, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7565, 0.2281, 0.2002 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(138, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 151, 255)  
}
```

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(138, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7565, 0.2281, 0.2002 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(138, 151, 255) }
```

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

```
.border{ border-color:rgb(138, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7565, 0.2281, 0.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 151, 255) }
```

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

```
.background{ background-color: rgb(138,  
151, 255) }
```

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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