

Converting Colors

$Y_{xy}(37.1987, 0.2036, 0.1531)$

Have a look what the booklet for
Yxy(37.1987, 0.2036, 0.1531)
contains.

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Color

Yxy(32.7892, 0.2262, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	8991FF
RGB	137, 145, 255
RGB Percent	54%, 57%, 100%
CMY	0.4627, 0.4314, 0.0001
CMYK	0.46, 0.43, 0.00, 0.00
HSL	236°, 100%, 77%
HSV	236°, 46%, 100%
XYZ	38.4895, 32.7892, 98.8781
YIQ	155.1480, -40.0780, 32.5140

Conversions

Conversions Part 2

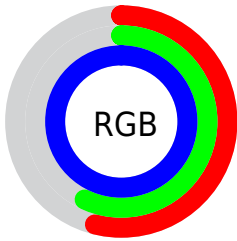
Format	Color
RYB	137, 144, 255
Decimal	9015807
CIELab	63.99, 25.13, -55.76
CIElCh	64, 61.165, 294.262
Yxy	32.7892, 0.2262, 0.1927
Android (android.graphics.Color)	4287205887 (0xFF8991FF)
YUV	155.1480, 49.2270, -15.9158
Hunter-Lab	57.2619, 19.7733, -62.2969

Details

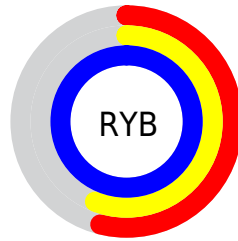
The Yxy color **32.7892, 0.2262, 0.1927** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.5711, 0.3847, 0.4361**, and the grayscale version is **32.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6689, 0.2728, 0.2669**, and **13.8813, 0.2015, 0.1605** is the 20% darker color. If you saturate the color by 10%, you get **24.3632, 0.2054, 0.1587**, and if you desaturate by 10%, it is **43.2462, 0.2473, 0.2266**.

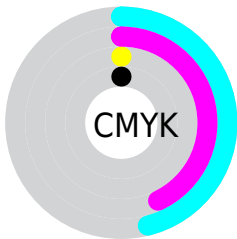
Distribution



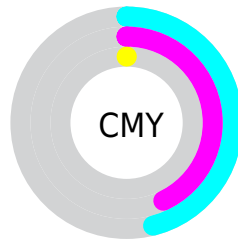
- Red (54%)
- Green (57%)
- Blue (100%)



- Red (54%)
- Yellow (56%)
- Blue (100%)



- Cyan (46%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7892, 0.2262, 0.1927 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 32.7892, 0.2262, 0.1927 by changing the saturation by 10% instead.

 32.7892, 0.2262,
0.1927


 32.7892, 0.2262,
0.1927


314.6988, 0.2705,
0.2572

 21.9650, 0.2153,
0.1782


 64.0463, 0.2423,
0.2150

 13.8312, 0.2017,
0.1606


 85.2480, 0.2483,
0.2238

 8.0033, 0.1841,
0.1391

110.6776, 0.2535,
0.2313

 4.0971, 0.1611,
0.1127

140.7196, 0.2579,
0.2378

 1.7280, 0.1307,
0.0807

175.7583, 0.2617,
0.2436

 0.4417, 0.0913,
0.0385

216.1781, 0.2650,

 0.0000, 0.0000,

0.2487

0.0000

262.3635, 0.2679,
0.2532

■ 32.7892, 0.2262,
0.1927

■ 32.7892, 0.2262,
0.1927

■ 24.3632, 0.2054,
0.1587

■ 43.2462, 0.2473,
0.2266

■ 17.8328, 0.1863,
0.1268

■ 55.8509, 0.2675,
0.2587

■ 13.0517, 0.1703,
0.0994

■ 70.7152, 0.2862,
0.2880

■ 9.8502, 0.1588,
0.0787

■ 87.9423, 0.3031,
0.3142

■ 8.0248, 0.1523,
0.0659

■ 99.9978, 0.3127,
0.3290

■ 7.6267, 0.1509,
0.0630

Harmonies

Analogous

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



32.7892, 0.1745, 0.1938



32.7892, 0.2262, 0.1927



32.7892, 0.3096, 0.2176

Triad

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



32.7892, 0.2262, 0.1927



32.7892, 0.4985, 0.3902



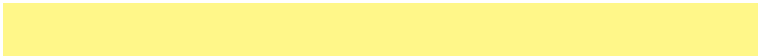
32.7892, 0.2139, 0.4030

Complementary

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



32.7892, 0.2262, 0.1927



89.5711, 0.3847, 0.4361

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.



32.7892, 0.2924, 0.4904



32.7892, 0.2262, 0.1927



32.7892, 0.4571, 0.4562

Square

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



32.7892, 0.2262, 0.1927



32.7892, 0.4830, 0.3241



32.7892, 0.3811, 0.5031



32.7892, 0.1667, 0.2977

Rectangle

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



32.7892, 0.2262, 0.1927



32.7892, 0.3760, 0.2465



32.7892, 0.3811, 0.5031



32.7892, 0.2374, 0.4380

Sweetspot

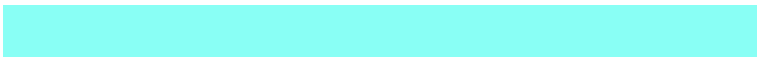
The Sweet Spot groups the original color and five complimentary colors.



32.7903, 0.2262, 0.1927



74.4186, 0.2902, 0.2942



83.4190, 0.2551, 0.3401



15.1752, 0.2864, 0.2883



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.



32.7903, 0.2262, 0.1927



24.5638, 0.2059, 0.1596



35.5753, 0.2601, 0.1957



17.5750, 0.2978, 0.3061



4.0590, 0.1511, 0.0641



0.4610, 0.1537, 0.0734

Inverse Universe

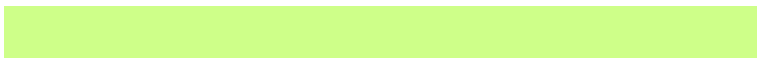
The Inverse Universe completely reimagines the original color for something new.



41.1956, 0.4309, 0.3211



34.2943, 0.4717, 0.3200



86.4010, 0.3475, 0.4572



18.0070, 0.3284, 0.3274



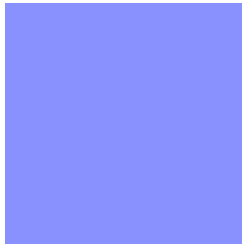
11.1377, 0.6332, 0.3262



1.0911, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 32.7892, 0.2262, 0.1927 looks on a white background.

Color Contrast Check

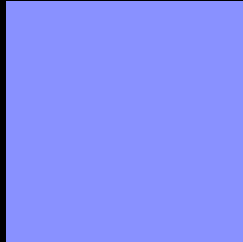
Large Text (above 18pt) WCAG AA × Fail

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 32.7892, 0.2262, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

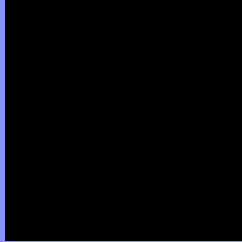
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7892, 0.2262, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 32.7892, 0.2262, 0.1927.



This preview shows how white text looks on a background with the Yxy color 32.7892, 0.2262, 0.1927.

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

32.7892, 0.2262, 0.1927

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.9142, 0.2071, 0.2001



Tritanopia

32.9738, 0.2619, 0.3083

Trichromacy



Original Color

32.7892, 0.2262, 0.1927

Protanomaly

32.7798, 0.2177, 0.1946

Deuteranomaly

32.6040, 0.2129, 0.1962

Tritanomaly

32.3957, 0.2469, 0.2574

Monochromacy



Original Color

32.7892, 0.2262, 0.1927

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1907, 0.2754, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7892, 0.2262, 0.1927 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(137, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 145, 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(137, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7892, 0.2262, 0.1927 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(137, 145, 255) }
```

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

```
.border{ border-color:rgb(137, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7892, 0.2262, 0.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 145, 255) }
```

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

```
.background{ background-color: rgb(137,  
145, 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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