

Converting Colors

$Y_{xy}(37.9720, 0.2250, 0.2142)$

Have a look what the booklet for
Yxy(37.9720, 0.2250, 0.2142)
contains.

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Color

Yxy(37.9264, 0.2246, 0.2135)

Conversions

Conversions Part 1

Format	Color
Hex	7FA3FF
RGB	127, 163, 255
RGB Percent	50%, 64%, 100%
CMY	0.5019, 0.3608, 0.0000
CMYK	0.50, 0.36, 0.00, 0.00
HSL	223°, 100%, 75%
HSV	223°, 50%, 100%
XYZ	39.8982, 37.9264, 99.8166
YIQ	162.7240, -50.9880, 20.9800

Conversions

Conversions Part 2

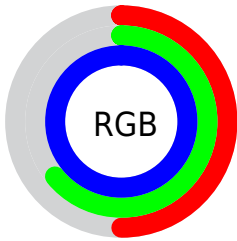
Format	Color
RYB	127, 155, 255
Decimal	8365055
CIELab	67.97, 12.45, -49.52
CIELCh	68, 51.059, 284.116
Yxy	37.9264, 0.2246, 0.2135
Android (android.graphics.Color)	4286555135 (0xFF7FA3FF)
YUV	162.7240, 45.4921, -31.3299
Hunter-Lab	61.5844, 7.8707, -52.9887

Details

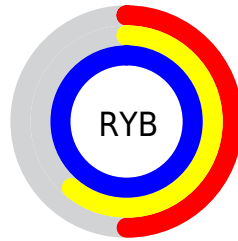
The Yxy color **37.9264, 0.2246, 0.2135** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.4495, 0.4037, 0.4212**, and the grayscale version is **36.2901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8019, 0.2691, 0.2879**, and **16.8238, 0.2009, 0.1853** is the 20% darker color. If you saturate the color by 10%, you get **30.1677, 0.2066, 0.1858**, and if you desaturate by 10%, it is **47.1262, 0.2433, 0.2404**.

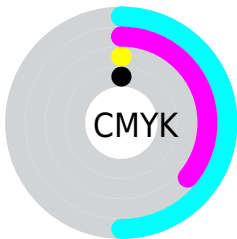
Distribution



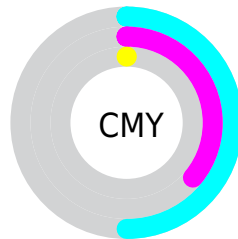
- Red (50%)
- Green (64%)
- Blue (100%)



- Red (50%)
- Yellow (61%)
- Blue (100%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9264, 0.2246, 0.2135 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 37.9264, 0.2246, 0.2135 by changing the saturation by 10% instead.


 37.9264, 0.2246,
0.2135


 37.9264, 0.2246,
0.2135

337.3041, 0.2684,
0.2688


 25.9256, 0.2141,
0.2008


 71.9953, 0.2402,
0.2328

 16.7680, 0.2010,
0.1853


 94.8322, 0.2462,
0.2403

 10.0692, 0.1844,
0.1659


 122.0499, 0.2513,
0.2467

 5.4449, 0.1627,
0.1414

154.0327, 0.2557,
0.2523

 2.5106, 0.1340,
0.1104

191.1652, 0.2595,
0.2572

 0.8819, 0.0962,
0.0719

233.8317, 0.2628,

 0.0000, 0.0163,

0.2615

0.0000

282.4165, 0.2658,
0.2653

■ 0.0000, 0.0000,
0.0000

■ 37.9264, 0.2246,
0.2135

■ 37.9264, 0.2246,
0.2135

■ 30.1677, 0.2066,
0.1858

■ 47.1262, 0.2433,
0.2404

■ 23.7677, 0.1903,
0.1585

■ 57.8351, 0.2619,
0.2658

■ 18.6406, 0.1765,
0.1329

■ 70.1216, 0.2799,
0.2891

■ 14.6874, 0.1660,
0.1104

■ 84.0483, 0.2968,
0.3101

■ 11.8182, 0.1590,
0.0923

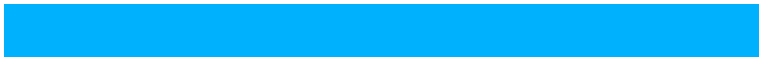
99.6745, 0.3124,
0.3287

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



37.9264, 0.1894, 0.2242



37.9264, 0.2246, 0.2135



37.9264, 0.2860, 0.2272

Triad

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



37.9264, 0.2246, 0.2135



37.9264, 0.4638, 0.3653



37.9264, 0.2539, 0.4138

Complementary

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



37.9264, 0.2246, 0.2135



73.4495, 0.4037, 0.4212

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.



37.9264, 0.3241, 0.4650



37.9264, 0.2246, 0.2135



37.9264, 0.4476, 0.4203

Square

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



37.9264, 0.2246, 0.2135



37.9264, 0.4326, 0.3098



37.9264, 0.3951, 0.4617



37.9264, 0.2034, 0.3327

Rectangle

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



37.9264, 0.2246, 0.2135



37.9264, 0.3372, 0.2479



37.9264, 0.3951, 0.4617



37.9264, 0.2760, 0.4363

Sweetspot

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



37.9277, 0.2246, 0.2135



77.1503, 0.2888, 0.3003



81.1265, 0.2628, 0.3724



15.8915, 0.2852, 0.2958



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.



37.9277, 0.2246, 0.2135



30.3061, 0.2069, 0.1863



29.3421, 0.2347, 0.1761



18.2095, 0.2979, 0.3114



6.3917, 0.1598, 0.0951



0.7977, 0.1657, 0.1166

Inverse Universe

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



39.0829, 0.4143, 0.2921



32.8081, 0.4469, 0.2869



89.4196, 0.3671, 0.4601



18.0711, 0.3250, 0.3223



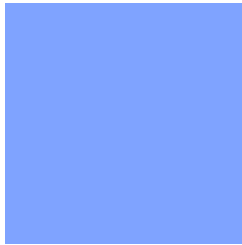
11.3732, 0.5834, 0.2987



1.1251, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 37.9264, 0.2246, 0.2135 looks on a white background.

Color Contrast Check

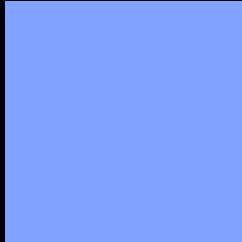
Large Text (above 18pt) WCAG AA × Fail

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 37.9264, 0.2246, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

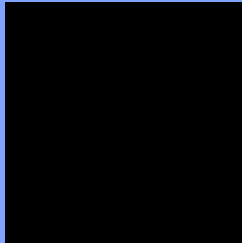
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

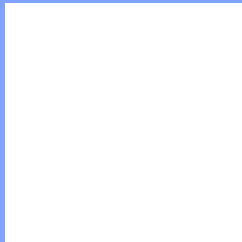
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9264, 0.2246, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 37.9264, 0.2246, 0.2135.



This preview shows how white text looks on a background with the Yxy color 37.9264, 0.2246, 0.2135.

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

37.9264, 0.2246, 0.2135

Protanopia

37.9020, 0.2276, 0.2139

Deuteranopia

38.1233, 0.2214, 0.2151



Tritanopia

37.8325, 0.2501, 0.3076

Trichromacy



Original Color

37.9264, 0.2246, 0.2135

Protanomaly

37.7422, 0.2265, 0.2136

Deuteranomaly

37.9819, 0.2227, 0.2142

Tritanomaly

37.5583, 0.2398, 0.2677

Monochromacy



Original Color

37.9264, 0.2246, 0.2135

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6639, 0.2747, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9264, 0.2246, 0.2135 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(127, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 163, 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(127, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.9264, 0.2246, 0.2135 is called "border". The border property can be set on classes, ids or directly on the HTML element.

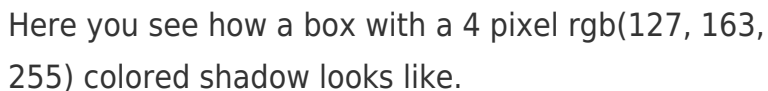
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 163, 255) }
```

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

```
.border{ border-color:rgb(127, 163, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9264, 0.2246, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 163, 255) }
```

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

```
.background{ background-color: rgb(127,  
163, 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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