

Converting Colors

$Y_{xy}(37.0287, 0.2250, 0.2100)$

Have a look what the booklet for
Yxy(37.0287, 0.2250, 0.2100)
contains.

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Color

Yxy(37.0287, 0.2250, 0.2100)

Conversions

Conversions Part 1

Format	Color
Hex	81A0FF
RGB	129, 160, 255
RGB Percent	51%, 63%, 100%
CMY	0.4939, 0.3726, 0.0002
CMYK	0.49, 0.37, 0.00, 0.00
HSL	225°, 100%, 75%
HSV	225°, 49%, 100%
XYZ	39.6736, 37.0287, 99.6248
YIQ	161.5610, -48.9710, 22.9730

Conversions

Conversions Part 2

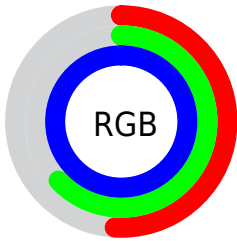
Format	Color
RYB	129, 154, 255
Decimal	8495359
CIELab	67.30, 14.63, -50.54
CIElCh	67, 52.618, 286.140
Yxy	37.0287, 0.2250, 0.2100
Android (android.graphics.Color)	4286685439 (0xFF81A0FF)
YUV	161.5610, 46.0654, -28.5560
Hunter-Lab	60.8512, 9.8883, -54.4730

Details

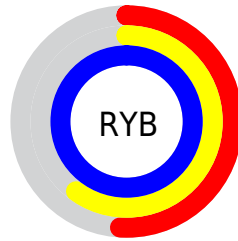
The Yxy color **37.0287, 0.2250, 0.2100** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **76.1543, 0.3998, 0.4238**, and the grayscale version is **35.7189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8779, 0.2692, 0.2834**, and **16.2797, 0.2013, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **29.1160, 0.2065, 0.1811**, and if you desaturate by 10%, it is **46.4731, 0.2441, 0.2382**.

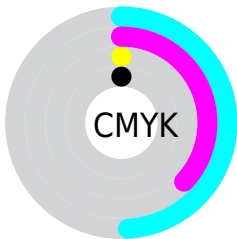
Distribution



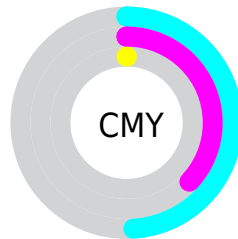
- Red (51%)
- Green (63%)
- Blue (100%)



- Red (51%)
- Yellow (60%)
- Blue (100%)



- Cyan (49%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0287, 0.2250, 0.2100 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 37.0287, 0.2250, 0.2100 by changing the saturation by 10% instead.


 37.0287, 0.2250,
0.2100


 37.0287, 0.2250,
0.2100


333.4348, 0.2688,
0.2668


 25.2297, 0.2145,
0.1970


 70.6169, 0.2407,
0.2298

 16.2483, 0.2013,
0.1811


 93.1749, 0.2467,
0.2375

 9.7000, 0.1845,
0.1613


 120.0881, 0.2517,
0.2441

 5.2005, 0.1627,
0.1365

151.7408, 0.2561,
0.2499

 2.3654, 0.1337,
0.1051

188.5174, 0.2599,
0.2549

 0.8080, 0.0955,
0.0666

230.8024, 0.2633,

 0.0000, 0.0133,


0.2594


0.0000

278.9800, 0.2662,
0.2633


 0.0000, 0.0000,
0.0000


 37.0287, 0.2250,
0.2100

 37.0287, 0.2250,
0.2100


 29.1160, 0.2065,
0.1811

 46.4731, 0.2441,
0.2382


 22.6463, 0.1896,
0.1528

 57.5235, 0.2630,
0.2646

 17.5267, 0.1753,
0.1266

 70.2537, 0.2812,
0.2889

 13.6504, 0.1645,
0.1040

 84.7315, 0.2981,
0.3108

 10.8777, 0.1574,
0.0861

99.9971, 0.3127,
0.3290

■ 10.7351, 0.1570,
0.0851

Harmonies

Analogous

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



37.0287, 0.1870, 0.2190



37.0287, 0.2250, 0.2100



37.0287, 0.2899, 0.2257

Triad

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



37.0287, 0.2250, 0.2100



37.0287, 0.4698, 0.3698



37.0287, 0.2472, 0.4121

Complementary

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



37.0287, 0.2250, 0.2100



76.1543, 0.3998, 0.4238

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.



37.0287, 0.3189, 0.4690



37.0287, 0.2250, 0.2100



37.0287, 0.4495, 0.4264

Square

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



37.0287, 0.2250, 0.2100



37.0287, 0.4410, 0.3125



37.0287, 0.3929, 0.4683



37.0287, 0.1971, 0.3269

Rectangle

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



37.0287, 0.2250, 0.2100



37.0287, 0.3436, 0.2479



37.0287, 0.3929, 0.4683



37.0287, 0.2695, 0.4366

Sweetspot

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



37.0300, 0.2250, 0.2100



76.4086, 0.2887, 0.2988



81.5160, 0.2615, 0.3663



15.7146, 0.2851, 0.2941



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.



37.0300, 0.2250, 0.2100



29.4022, 0.2072, 0.1822



30.4603, 0.2393, 0.1799



18.1028, 0.2979, 0.3105



5.8062, 0.1577, 0.0876



0.7282, 0.1634, 0.1083

Inverse Universe

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



39.5044, 0.4171, 0.2973



33.2106, 0.4504, 0.2928



88.8417, 0.3635, 0.4595



18.0603, 0.3255, 0.3232



11.3141, 0.5949, 0.3051



1.1181, 0.5635, 0.2878

Previews

White Background



This preview shows how the Yxy color 37.0287, 0.2250, 0.2100 looks on a white background.

Color Contrast Check

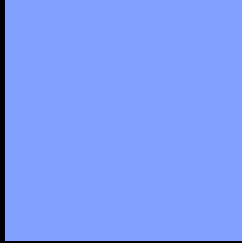
Large Text (above 18pt) WCAG AA × Fail

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 37.0287, 0.2250, 0.2100 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

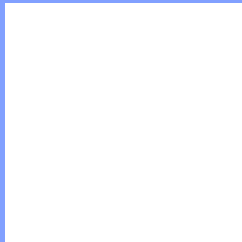
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0287, 0.2250, 0.2100

Background



This preview shows how black text looks on a background with the Yxy color 37.0287, 0.2250, 0.2100.



This preview shows how white text looks on a background with the Yxy color 37.0287, 0.2250, 0.2100.

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

37.0287, 0.2250, 0.2100

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

37.0631, 0.2193, 0.2128



Tritanopia

37.0911, 0.2520, 0.3075

Trichromacy



Original Color

37.0287, 0.2250, 0.2100

Protanomaly

36.9508, 0.2244, 0.2098

Deuteranomaly

37.0614, 0.2216, 0.2122

Tritanomaly

36.8424, 0.2415, 0.2674

Monochromacy



Original Color

37.0287, 0.2250, 0.2100

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.9593, 0.2745, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0287, 0.2250, 0.2100 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(129, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 160, 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(129, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.0287, 0.2250, 0.2100 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(129, 160, 255) }
```

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

```
.border{ border-color:rgb(129, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0287, 0.2250, 0.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 160, 255) }
```

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

```
.background{ background-color: rgb(129,  
160, 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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