

Converting Colors

$Y_{xy}(37.8402, 0.2189, 0.2030)$

Have a look what the booklet for
Yxy(37.8402, 0.2189, 0.2030)
contains.

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Color

Yxy(37.4206, 0.2233, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	7DA2FF
RGB	125, 162, 255
RGB Percent	49%, 64%, 100%
CMY	0.5095, 0.3647, 0.0000
CMYK	0.51, 0.36, 0.00, 0.00
HSL	223°, 100%, 75%
HSV	223°, 51%, 100%
XYZ	39.4338, 37.4206, 99.7412
YIQ	161.5390, -51.9050, 21.0790

Conversions

Conversions Part 2

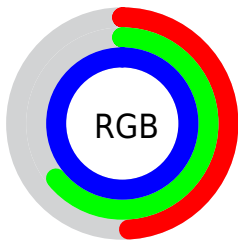
Format	Color
R _Y B	125, 154, 255
Decimal	8233727
CIE Lab	67.59, 12.61, -50.12
CIE LCh	68, 51.677, 284.124
Yxy	37.4206, 0.2233, 0.2119
Android (android.graphics.Color)	4286423807 (0xFF7DA2FF)
YUV	161.5390, 46.0763, -32.0447
Hunter-Lab	61.1724, 8.0155, -53.8513

Details

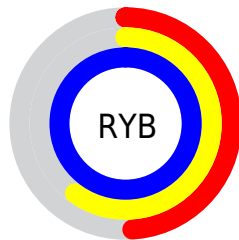
The Yxy color **37.4206, 0.2233, 0.2119** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.9224, 0.4054, 0.4221**, and the grayscale version is **35.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0361, 0.2678, 0.2866**, and **16.5361, 0.1995, 0.1833** is the 20% darker color. If you saturate the color by 10%, you get **29.7711, 0.2054, 0.1843**, and if you desaturate by 10%, it is **46.4988, 0.2419, 0.2388**.

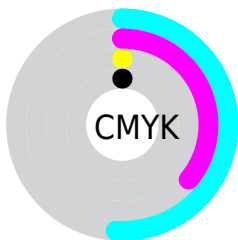
Distribution



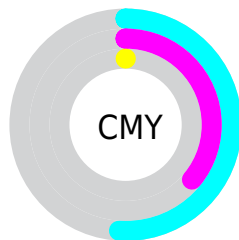
- Red (49%)
- Green (64%)
- Blue (100%)



- Red (49%)
- Yellow (60%)
- Blue (100%)



- Cyan (51%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4206, 0.2233, 0.2119 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 37.4206, 0.2233, 0.2119 by changing the saturation by 10% instead.


 37.4206, 0.2233,
0.2119


 37.4206, 0.2233,
0.2119


335.1279, 0.2678,
0.2680

 25.5333, 0.2127,
0.1990


 71.2192, 0.2392,
0.2315

 16.4748, 0.1994,
0.1833


 93.8993, 0.2453,
0.2391

 9.8608, 0.1825,
0.1637


 120.9458, 0.2504,
0.2456

 5.3067, 0.1605,
0.1389

152.7431, 0.2549,
0.2513

 2.4283, 0.1315,
0.1077

189.6755, 0.2587,
0.2562

 0.8404, 0.0934,
0.0691

232.1275, 0.2621,


 0.0000, 0.0099,


0.2606


0.0000


280.4836, 0.2651,
0.2645


 0.0000, 0.0000,
0.0000

 37.4206, 0.2233,
0.2119


 37.4206, 0.2233,
0.2119


 29.7711, 0.2054,
0.1843


 46.4988, 0.2419,
0.2388


 23.4678, 0.1893,
0.1571


 57.0737, 0.2605,
0.2642


 18.4249, 0.1757,
0.1317

 69.2135, 0.2785,
0.2876

 14.5429, 0.1655,
0.1095

 82.9809, 0.2955,
0.3086

 11.9124, 0.1592,
0.0930

 98.4349, 0.3113,
0.3273

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



37.4206, 0.1877, 0.2226



37.4206, 0.2233, 0.2119



37.4206, 0.2855, 0.2258

Triad

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



37.4206, 0.2233, 0.2119



37.4206, 0.4662, 0.3656



37.4206, 0.2529, 0.4153

Complementary

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



37.4206, 0.2233, 0.2119



72.9224, 0.4054, 0.4221

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.



37.4206, 0.3241, 0.4675



37.4206, 0.2233, 0.2119



37.4206, 0.4496, 0.4214

Square

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



37.4206, 0.2233, 0.2119



37.4206, 0.4346, 0.3094



37.4206, 0.3961, 0.4638



37.4206, 0.2017, 0.3326

Rectangle

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



37.4206, 0.2233, 0.2119



37.4206, 0.3376, 0.2468



37.4206, 0.3961, 0.4638



37.4206, 0.2752, 0.4383

Sweetspot

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



37.4219, 0.2233, 0.2119



77.2104, 0.2888, 0.3004



80.8366, 0.2633, 0.3759



15.9058, 0.2852, 0.2959



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.



37.4219, 0.2233, 0.2119



29.7379, 0.2054, 0.1841



28.4910, 0.2317, 0.1729



18.2181, 0.2979, 0.3115



6.4428, 0.1599, 0.0957



0.8036, 0.1659, 0.1173

Inverse Universe

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



38.5527, 0.4163, 0.2913



32.2720, 0.4498, 0.2860



89.6538, 0.3693, 0.4612



18.0719, 0.3249, 0.3223



11.3784, 0.5824, 0.2982



1.1257, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 37.4206, 0.2233, 0.2119 looks on a white background.

Color Contrast Check

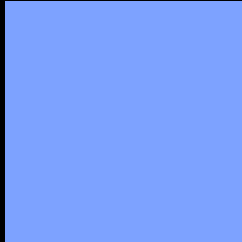
Large Text (above 18pt) WCAG AA × Fail

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 37.4206, 0.2233, 0.2119 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 37.4206, 0.2233, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 37.4206, 0.2233, 0.2119.



This preview shows how white text looks on a background with the Yxy color 37.4206, 0.2233, 0.2119.

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

37.4206, 0.2233, 0.2119

Protanopia

37.3913, 0.2262, 0.2123

Deuteranopia

37.5528, 0.2196, 0.2133



Tritanopia

37.3207, 0.2487, 0.3060

Trichromacy



Original Color

37.4206, 0.2233, 0.2119

Protanomaly

37.2347, 0.2251, 0.2120

Deuteranomaly

37.4075, 0.2209, 0.2124

Tritanomaly

37.0492, 0.2384, 0.2660

Monochromacy



Original Color

37.4206, 0.2233, 0.2119

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.2157, 0.2738, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4206, 0.2233, 0.2119 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(125, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 162, 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(125, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.4206, 0.2233, 0.2119 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(125, 162, 255) }
```

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

```
.border{ border-color:rgb(125, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4206, 0.2233, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 162, 255) }
```

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

```
.background{ background-color: rgb(125,  
162, 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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