

Converting Colors

$Yxy(37.8214, 0.2340, 0.2230)$

Have a look what the booklet for
Yxy(37.8214, 0.2340, 0.2230)
contains.

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Color

Yxy(37.7287, 0.2338, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	88A2F6
RGB	136, 162, 246
RGB Percent	53%, 64%, 96%
CMY	0.4669, 0.3646, 0.0353
CMYK	0.45, 0.34, 0.00, 0.04
HSL	226°, 86%, 75%
HSV	226°, 45%, 96%
XYZ	39.6983, 37.7287, 92.3691
YIQ	163.8020, -42.4600, 20.6120

Conversions

Conversions Part 2

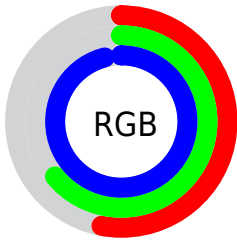
Format	Color
R _Y B	136, 157, 246
Decimal	8954614
CIE Lab	67.82, 12.46, -44.81
CIE LCh	68, 46.511, 285.534
Yxy	37.7287, 0.2338, 0.2222
Android (android.graphics.Color)	4287144694 (0xFF88A2F6)
YUV	163.8020, 40.5236, -24.3824
Hunter-Lab	61.4237, 7.8737, -46.1639

Details

The Yxy color **37.7287, 0.2338, 0.2222** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.5020, 0.3904, 0.4162**, and the grayscale version is **36.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1832, 0.2732, 0.2872**, and **16.7053, 0.2123, 0.1960** is the 20% darker color. If you saturate the color by 10%, you get **29.7755, 0.2148, 0.1933**, and if you desaturate by 10%, it is **47.1440, 0.2530, 0.2499**.

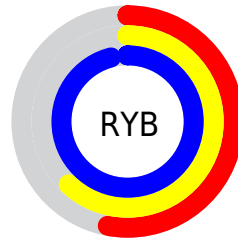
Distribution



Red (53%)

Green (64%)

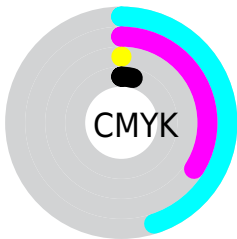
Blue (96%)



Red (53%)

Yellow (62%)

Blue (96%)

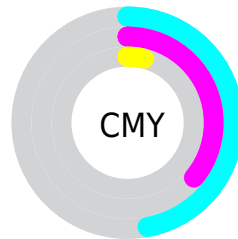


Cyan (45%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7287, 0.2338, 0.2222 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 37.7287, 0.2338, 0.2222 by changing the saturation by 10% instead.

■ 37.7287, 0.2338,
0.2222

■ 37.7287, 0.2338,
0.2222

336.4547, 0.2734,
0.2738

■ 25.7722, 0.2242,
0.2102

■ 71.6921, 0.2481,
0.2404

■ 16.6533, 0.2120,
0.1953

■ 94.4678, 0.2535,
0.2474

■ 9.9876, 0.1964,
0.1766

■ 121.6187, 0.2581,
0.2534

■ 5.3907, 0.1757,
0.1526

153.5292, 0.2620,
0.2585

■ 2.4783, 0.1475,
0.1214

190.5836, 0.2654,
0.2631

■ 0.8657, 0.1090,
0.0813

233.1664, 0.2684,

■ 0.0000, 0.0167,

0.2671

0.0000

281.6620, 0.2711,
0.2706

■ 0.0000, 0.0000,
0.0000

■ 37.7287, 0.2338,
0.2222

■ 37.7287, 0.2338,
0.2222

■ 29.7755, 0.2148,
0.1933

■ 47.1440, 0.2530,
0.2499

■ 23.2038, 0.1969,
0.1643

■ 58.0879, 0.2716,
0.2757

■ 17.9315, 0.1812,
0.1368

■ 70.6274, 0.2892,
0.2991

■ 13.8645, 0.1687,
0.1123

■ 84.8245, 0.3055,
0.3200

■ 10.8943, 0.1599,
0.0923

■ 99.4331, 0.3179,
0.3376

■ 9.7102, 0.1566,
0.0837

Harmonies

Analogous

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



37.7287, 0.1995, 0.2316



37.7287, 0.2338, 0.2222



37.7287, 0.2917, 0.2358

Triad

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



37.7287, 0.2338, 0.2222



37.7287, 0.4512, 0.3664



37.7287, 0.2566, 0.4025

Complementary

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



37.7287, 0.2338, 0.2222



72.5020, 0.3904, 0.4162

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.



37.7287, 0.3210, 0.4509



37.7287, 0.2338, 0.2222



37.7287, 0.4354, 0.4166

Square

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



37.7287, 0.2338, 0.2222



37.7287, 0.4244, 0.3144



37.7287, 0.3866, 0.4519



37.7287, 0.2106, 0.3296

Rectangle

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



37.7287, 0.2338, 0.2222



37.7287, 0.3389, 0.2557



37.7287, 0.3866, 0.4519



37.7287, 0.2768, 0.4232

Sweetspot

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



37.7301, 0.2338, 0.2222



79.1569, 0.2921, 0.3029



76.2204, 0.2652, 0.3622



16.2515, 0.2884, 0.2980



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.



37.7301, 0.2338, 0.2222



32.8159, 0.2160, 0.1951



32.0772, 0.2478, 0.1957



16.5643, 0.2979, 0.3104



5.3621, 0.1573, 0.0862



0.6236, 0.1636, 0.1090

Inverse Universe

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



39.7903, 0.4034, 0.3010



36.2526, 0.4341, 0.2961



82.6593, 0.3595, 0.4472



16.5469, 0.3256, 0.3234



10.6407, 0.5971, 0.3063



0.9506, 0.5625, 0.2872

Previews

White Background



This preview shows how the Yxy color 37.7287, 0.2338, 0.2222 looks on a white background.

Color Contrast Check

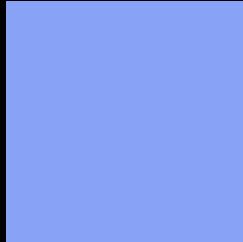
Large Text (above 18pt) WCAG AA × Fail

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 37.7287, 0.2338, 0.2222 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 37.7287, 0.2338, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 37.7287, 0.2338, 0.2222.



This preview shows how white text looks on a background with the Yxy color 37.7287, 0.2338, 0.2222.

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

37.7287, 0.2338, 0.2222

Protanopia

37.7287, 0.2338, 0.2222

Deuteranopia

37.8719, 0.2302, 0.2237



Tritanopia

37.8960, 0.2597, 0.3079

Trichromacy



Original Color

37.7287, 0.2338, 0.2222

Protanomaly

37.7287, 0.2338, 0.2222

Deuteranomaly

37.7537, 0.2317, 0.2229

Tritanomaly

37.7885, 0.2498, 0.2737

Monochromacy



Original Color

37.7287, 0.2338, 0.2222

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.9595, 0.2795, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7287, 0.2338, 0.2222 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(136, 162, 246)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 246)  
}
```

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(136, 162, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 246) }
```

Border

The CSS property to change the border of an element to Yxy 37.7287, 0.2338, 0.2222 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(136, 162, 246) }
```

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

```
.border{ border-color:rgb(136, 162, 246) }
```

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

Here you see how a box with a 4 pixel rgb(136, 162, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 246);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7287, 0.2338, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 246) }
```

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

```
.background{ background-color: rgb(136,  
162, 246) }
```

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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