

Converting Colors

$Y_{xy}(37.8111, 0.2265, 0.2142)$

Have a look what the booklet for
Yxy(37.8111, 0.2265, 0.2142)
contains.

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Color

Yxy(37.7422, 0.2265, 0.2136)

Conversions

Conversions Part 1

Format	Color
Hex	82A2FE
RGB	130, 162, 254
RGB Percent	51%, 64%, 100%
CMY	0.4899, 0.3647, 0.0040
CMYK	0.49, 0.36, 0.00, 0.00
HSL	225°, 98%, 75%
HSV	225°, 49%, 100%
XYZ	40.0216, 37.7422, 98.9319
YIQ	162.9200, -48.6040, 21.8280

Conversions

Conversions Part 2

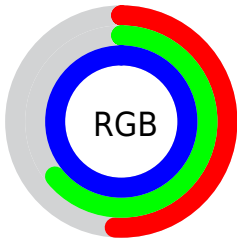
Format	Color
RYB	130, 155, 254
Decimal	8561406
CIELab	67.83, 13.42, -49.18
CIELCh	68, 50.976, 285.269
Yxy	37.7422, 0.2265, 0.2136
Android (android.graphics.Color)	4286751486 (0xFF82A2FE)
YUV	162.9200, 44.9024, -28.8708
Hunter-Lab	61.4347, 8.7730, -52.4739

Details

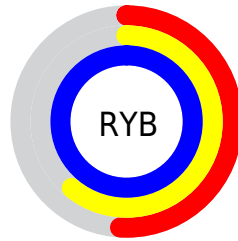
The Yxy color **37.7422, 0.2265, 0.2136** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.9625, 0.3994, 0.4214**, and the grayscale version is **36.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5371, 0.2702, 0.2869**, and **16.7022, 0.2030, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **29.8234, 0.2081, 0.1851**, and if you desaturate by 10%, it is **47.1555, 0.2455, 0.2412**.

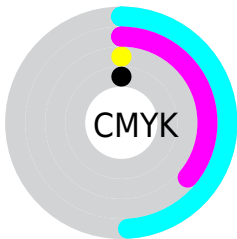
Distribution



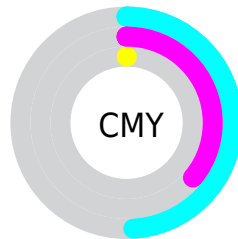
- Red (51%)
- Green (64%)
- Blue (100%)



- Red (51%)
- Yellow (61%)
- Blue (100%)



- Cyan (49%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7422, 0.2265, 0.2136 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 37.7422, 0.2265, 0.2136 by changing the saturation by 10% instead.


 37.7422, 0.2265,
0.2136


 37.7422, 0.2265,
0.2136


336.5128, 0.2695,
0.2688


 25.7827, 0.2162,
0.2009


 71.7128, 0.2419,
0.2329

 16.6611, 0.2033,
0.1854


 94.4927, 0.2477,
0.2404

 9.9932, 0.1868,
0.1660


 121.6482, 0.2527,
0.2468

 5.3944, 0.1653,
0.1415

153.5636, 0.2570,
0.2524

 2.4805, 0.1367,
0.1104

190.6233, 0.2607,
0.2573

 0.8668, 0.0987,
0.0718

233.2119, 0.2640,

 0.0000, 0.0184,

0.2616

0.0000

281.7136, 0.2669,
0.2654

0.0000, 0.0000,
0.0000

37.7422, 0.2265,
0.2136

37.7422, 0.2265,
0.2136

29.8234, 0.2081,
0.1851

47.1555, 0.2455,
0.2412

23.3137, 0.1912,
0.1570

58.1341, 0.2643,
0.2672

18.1247, 0.1768,
0.1308

70.7489, 0.2822,
0.2909

14.1545, 0.1657,
0.1078

85.0650, 0.2990,
0.3123

11.2737, 0.1584,
0.0894

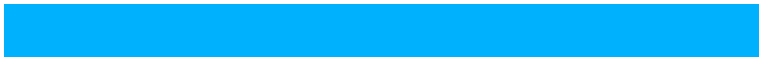
99.9351, 0.3133,
0.3300

■ 10.9844, 0.1576,
0.0874

Harmonies

Analogous

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



37.7422, 0.1902, 0.2233



37.7422, 0.2265, 0.2136



37.7422, 0.2888, 0.2281

Triad

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



37.7422, 0.2265, 0.2136



37.7422, 0.4640, 0.3675



37.7422, 0.2515, 0.4109

Complementary

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



37.7422, 0.2265, 0.2136



74.9625, 0.3994, 0.4214

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.



37.7422, 0.3213, 0.4640



37.7422, 0.2265, 0.2136



37.7422, 0.4462, 0.4223

Square

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



37.7422, 0.2265, 0.2136



37.7422, 0.4347, 0.3119



37.7422, 0.3926, 0.4627



37.7422, 0.2020, 0.3296

Rectangle

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



37.7422, 0.2265, 0.2136



37.7422, 0.3403, 0.2494



37.7422, 0.3926, 0.4627



37.7422, 0.2734, 0.4340

Sweetspot

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



37.7435, 0.2265, 0.2136



76.6543, 0.2887, 0.2993



80.8458, 0.2629, 0.3684



15.7732, 0.2851, 0.2947



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.



37.7435, 0.2265, 0.2136



29.9320, 0.2077, 0.1845



30.5086, 0.2388, 0.1814



18.1382, 0.2979, 0.3108



5.9912, 0.1583, 0.0900



0.7505, 0.1642, 0.1110

Inverse Universe

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



39.6612, 0.4134, 0.2961



33.2641, 0.4481, 0.2910



88.5101, 0.3645, 0.4573



18.0639, 0.3254, 0.3229



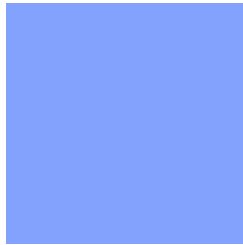
11.3328, 0.5912, 0.3030



1.1203, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 37.7422, 0.2265, 0.2136 looks on a white background.

Color Contrast Check

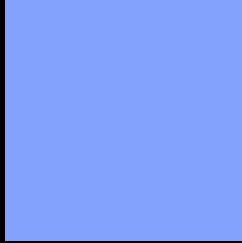
Large Text (above 18pt) WCAG AA × Fail

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 37.7422, 0.2265, 0.2136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

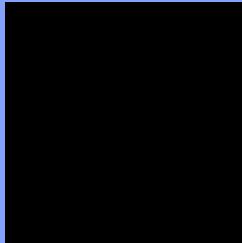
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7422, 0.2265, 0.2136

Background



This preview shows how black text looks on a background with the Yxy color 37.7422, 0.2265, 0.2136.



This preview shows how white text looks on a background with the Yxy color 37.7422, 0.2265, 0.2136.

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

37.7422, 0.2265, 0.2136

Protanopia

37.9020, 0.2276, 0.2139

Deuteranopia

37.6358, 0.2220, 0.2156



Tritanopia

37.6491, 0.2529, 0.3077

Trichromacy



Original Color

37.7422, 0.2265, 0.2136

Protanomaly

37.8217, 0.2270, 0.2138

Deuteranomaly

37.5713, 0.2239, 0.2149

Tritanomaly

37.3355, 0.2418, 0.2678

Monochromacy



Original Color

37.7422, 0.2265, 0.2136

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.7592, 0.2755, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7422, 0.2265, 0.2136 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(130, 162, 254)` looks like.

```
.text, #text, p{  
    color:rgb(130, 162, 254)  
}
```

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(130, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 162, 254) }
```

Border

The CSS property to change the border of an element to Yxy 37.7422, 0.2265, 0.2136 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(130, 162, 254) }
```

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

```
.border{ border-color:rgb(130, 162, 254) }
```

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

Here you see how a box with a 4 pixel rgb(130, 162, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(130, 162,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7422, 0.2265, 0.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 162, 254) }
```

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

```
.background{ background-color: rgb(130,  
162, 254) }
```

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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