

Converting Colors

$Y_{xy}(37.6931, 0.2259, 0.2229)$

Have a look what the booklet for
Yxy(37.6931, 0.2259, 0.2229)
contains.

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Color

Yxy(37.7632, 0.2260, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	7AA5F7
RGB	122, 165, 247
RGB Percent	48%, 65%, 97%
CMY	0.5220, 0.3528, 0.0315
CMYK	0.51, 0.33, 0.00, 0.03
HSL	219°, 89%, 72%
HSV	219°, 51%, 97%
XYZ	38.2541, 37.7632, 93.2485
YIQ	161.4910, -51.9500, 16.3860

Conversions

Conversions Part 2

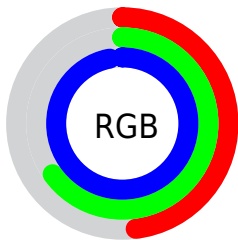
Format	Color
R _Y B	122, 154, 247
Decimal	8037879
CIE Lab	67.85, 7.76, -45.37
CIE LCh	68, 46.026, 279.703
Yxy	37.7632, 0.2260, 0.2231
Android (android.graphics.Color)	4286227959 (0xFF7AA5F7)
YUV	161.4910, 42.1559, -34.6336
Hunter-Lab	61.4518, 3.5767, -46.9520

Details

The Yxy color **37.7632, 0.2260, 0.2231** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.2781, 0.4088, 0.4144**, and the grayscale version is **35.6896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1097, 0.2658, 0.2898**, and **16.7444, 0.2027, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **30.7136, 0.2089, 0.1977**, and if you desaturate by 10%, it is **46.0118, 0.2439, 0.2477**.

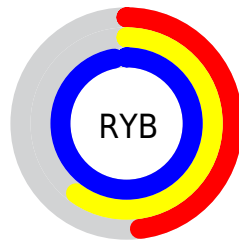
Distribution



Red (48%)

Green (65%)

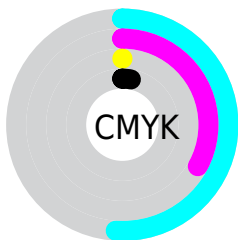
Blue (97%)



Red (48%)

Yellow (60%)

Blue (97%)

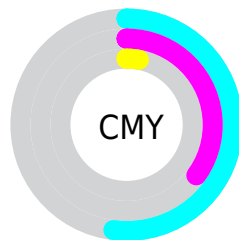


Cyan (51%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (52%)


Magenta (35%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7632, 0.2260, 0.2231 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 37.7632, 0.2260, 0.2231 by changing the saturation by 10% instead.


 37.7632, 0.2260,
0.2231


 37.7632, 0.2260,
0.2231


336.6031, 0.2692,
0.2746

 25.7990, 0.2156,
0.2110


 71.7450, 0.2415,
0.2413

 16.6733, 0.2026,
0.1961


 94.5314, 0.2473,
0.2483

 10.0018, 0.1860,
0.1773

 121.6940, 0.2523,
0.2542

 5.4002, 0.1641,
0.1531

153.6171, 0.2566,
0.2594

 2.4839, 0.1350,
0.1216

190.6852, 0.2604,
0.2639

 0.8686, 0.0960,
0.0812

233.2826, 0.2637,

 0.0000, 0.0000,

0.2679

0.0000

281.7938, 0.2666,
0.2714

■ 37.7632, 0.2260,
0.2231

■ 37.7632, 0.2260,
0.2231

■ 30.7136, 0.2089,
0.1977

■ 46.0118, 0.2439,
0.2477

■ 24.7960, 0.1934,
0.1723

■ 55.5130, 0.2618,
0.2707

■ 19.9420, 0.1803,
0.1480

■ 66.3219, 0.2794,
0.2919

■ 16.0718, 0.1701,
0.1258

■ 78.4888, 0.2961,
0.3110

■ 13.2398, 0.1633,
0.1078

■ 92.0610, 0.3117,
0.3280

99.4939, 0.3174,
0.3367

Harmonies

Analogous

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



37.7632, 0.1969, 0.2373



37.7632, 0.2260, 0.2231



37.7632, 0.2793, 0.2324

Triad

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



37.7632, 0.2260, 0.2231



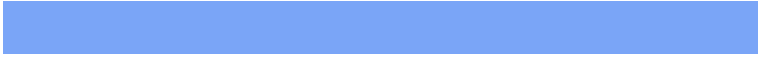
37.7632, 0.4480, 0.3561



37.7632, 0.2687, 0.4140

Complementary

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



37.7632, 0.2260, 0.2231



64.2781, 0.4088, 0.4144

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.



37.7632, 0.3341, 0.4534



37.7632, 0.2260, 0.2231



37.7632, 0.4403, 0.4069

Square

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



37.7632, 0.2260, 0.2231



37.7632, 0.4134, 0.3051



37.7632, 0.3972, 0.4460



37.7632, 0.2185, 0.3437

Rectangle

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



37.7632, 0.2260, 0.2231



37.7632, 0.3248, 0.2499



37.7632, 0.3972, 0.4460



37.7632, 0.2896, 0.4321

Sweetspot

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



37.7645, 0.2260, 0.2231



78.4951, 0.2889, 0.3029



74.9574, 0.2665, 0.3837



16.2128, 0.2853, 0.2988



0.0000, 0.0000, 0.0000



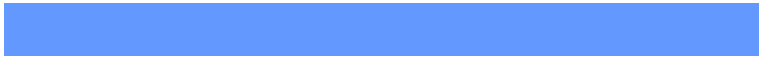
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7645, 0.2260, 0.2231



32.7133, 0.2082, 0.1965



26.2372, 0.2278, 0.1725



16.8613, 0.2980, 0.3131



7.2414, 0.1641, 0.1108



0.8206, 0.1710, 0.1356

Inverse Universe

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



36.3788, 0.4058, 0.2834



32.5724, 0.4371, 0.2764



84.4381, 0.3734, 0.4581



16.5769, 0.3239, 0.3209



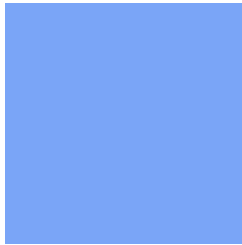
10.8304, 0.5598, 0.2858



0.9705, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 37.7632, 0.2260, 0.2231 looks on a white background.

Color Contrast Check

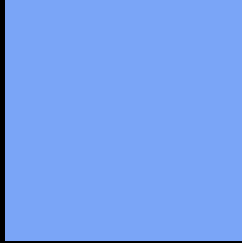
Large Text (above 18pt) WCAG AA × Fail

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 37.7632, 0.2260, 0.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

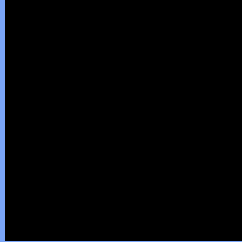
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

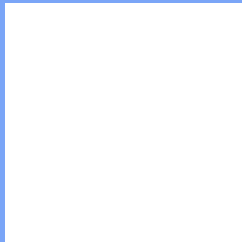
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7632, 0.2260, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 37.7632, 0.2260, 0.2231.



This preview shows how white text looks on a background with the Yxy color 37.7632, 0.2260, 0.2231.

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

37.7632, 0.2260, 0.2231

Protanopia

37.6907, 0.2355, 0.2243

Deuteranopia

37.7783, 0.2286, 0.2224



Tritanopia

37.6519, 0.2484, 0.3075

Trichromacy



Original Color

37.7632, 0.2260, 0.2231

Protanomaly

37.6925, 0.2322, 0.2238

Deuteranomaly

37.6263, 0.2274, 0.2221

Tritanomaly

37.5232, 0.2394, 0.2727

Monochromacy



Original Color

37.7632, 0.2260, 0.2231

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.8495, 0.2751, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7632, 0.2260, 0.2231 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(122, 165, 247)` looks like.

```
.text, #text, p{  
    color:rgb(122, 165, 247)  
}
```

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(122, 165, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 165, 247) }
```

Border

The CSS property to change the border of an element to Yxy 37.7632, 0.2260, 0.2231 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(122, 165, 247) }
```

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

```
.border{ border-color:rgb(122, 165, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 165, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 165, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 165, 247);  
box-shadow:4px 4px 4px 4px rgb(122, 165,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7632, 0.2260, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 165, 247) }
```

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

```
.background{ background-color: rgb(122,  
165, 247) }
```

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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