

Converting Colors

$Y_{xy}(36.8004, 0.2249, 0.2161)$

Have a look what the booklet for
Yxy(36.8004, 0.2249, 0.2161)
contains.

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Color

Yxy(36.6770, 0.2247, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	7CA1FA
RGB	124, 161, 250
RGB Percent	49%, 63%, 98%
CMY	0.5137, 0.3686, 0.0195
CMYK	0.50, 0.36, 0.00, 0.02
HSL	222°, 93%, 73%
HSV	222°, 50%, 98%
XYZ	38.3139, 36.6770, 95.5205
YIQ	160.0830, -50.6210, 19.8350

Conversions

Conversions Part 2

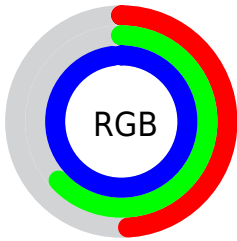
Format	Color
RYB	124, 153, 250
Decimal	8167930
CIELab	67.03, 11.45, -48.30
CIElCh	67, 49.635, 283.336
Yxy	36.6770, 0.2247, 0.2151
Android (android.graphics.Color)	4286358010 (0xFF7CA1FA)
YUV	160.0830, 44.3291, -31.6448
Hunter-Lab	60.5615, 6.9443, -51.1219

Details

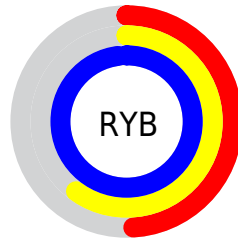
The Yxy color **36.6770, 0.2247, 0.2151** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.3800, 0.4048, 0.4200**, and the grayscale version is **35.0038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7660, 0.2663, 0.2841**, and **16.0589, 0.2007, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **29.3030, 0.2069, 0.1878**, and if you desaturate by 10%, it is **45.3975, 0.2432, 0.2416**.

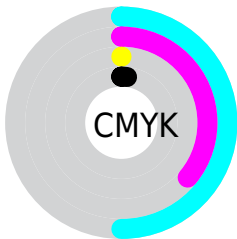
Distribution



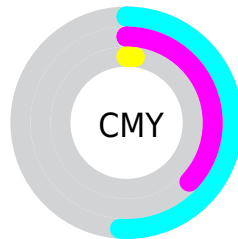
- Red (49%)
- Green (63%)
- Blue (98%)



- Red (49%)
- Yellow (60%)
- Blue (98%)



- Cyan (50%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (51%)
- Magenta (37%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6770, 0.2247, 0.2151 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 36.6770, 0.2247, 0.2151 by changing the saturation by 10% instead.


 36.6770, 0.2247,
0.2151


 36.6770, 0.2247,
0.2151


331.9100, 0.2687,
0.2701


 24.9575, 0.2141,
0.2024


 70.0757, 0.2405,
0.2344

 16.0454, 0.2008,
0.1867


 92.5238, 0.2465,
0.2419

 9.5563, 0.1838,
0.1670


 119.3167, 0.2516,
0.2483

 5.1058, 0.1617,
0.1421

150.8391, 0.2560,
0.2538

 2.3095, 0.1322,
0.1103

187.4752, 0.2598,
0.2586

 0.7787, 0.0931,
0.0702

229.6095, 0.2631,

 0.0000, 0.0000,

0.2629

0.0000

277.6263, 0.2661,
0.2667

■ 36.6770, 0.2247,
0.2151

■ 36.6770, 0.2247,
0.2151

■ 29.3030, 0.2069,
0.1878

■ 45.3975, 0.2432,
0.2416

■ 23.1989, 0.1907,
0.1609

■ 55.5275, 0.2617,
0.2665

■ 18.2853, 0.1771,
0.1355

■ 67.1304, 0.2796,
0.2894

■ 14.4705, 0.1667,
0.1131

■ 80.2642, 0.2964,
0.3100

■ 11.7235, 0.1598,
0.0953

■ 94.9841, 0.3121,
0.3283

99.6836, 0.3156,
0.3338

Harmonies

Analogous

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



36.6770, 0.1906, 0.2265



36.6770, 0.2247, 0.2151



36.6770, 0.2846, 0.2280

Triad

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



36.6770, 0.2247, 0.2151



36.6770, 0.4611, 0.3636



36.6770, 0.2566, 0.4141

Complementary

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



36.6770, 0.2247, 0.2151



69.3800, 0.4048, 0.4200

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.



36.6770, 0.3261, 0.4631



36.6770, 0.2247, 0.2151



36.6770, 0.4465, 0.4179

Square

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



36.6770, 0.2247, 0.2151



36.6770, 0.4292, 0.3089



36.6770, 0.3957, 0.4589



36.6770, 0.2060, 0.3348

Rectangle

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



36.6770, 0.2247, 0.2151



36.6770, 0.3349, 0.2482



36.6770, 0.3957, 0.4589



36.6770, 0.2785, 0.4358

Sweetspot

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



36.6783, 0.2247, 0.2151



77.4101, 0.2888, 0.3008



77.4343, 0.2637, 0.3752



15.9535, 0.2852, 0.2964



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.



36.6783, 0.2247, 0.2151



30.8893, 0.2075, 0.1888



27.7258, 0.2328, 0.1749



17.4734, 0.2979, 0.3117



6.4325, 0.1606, 0.0980



0.7707, 0.1670, 0.1210

Inverse Universe

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



37.3153, 0.4130, 0.2904



32.8670, 0.4444, 0.2850



85.8186, 0.3687, 0.4598



17.3091, 0.3248, 0.3221



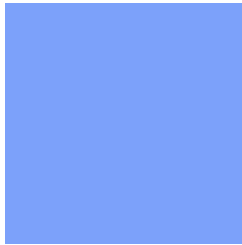
11.0603, 0.5789, 0.2963



1.0420, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 36.6770, 0.2247, 0.2151 looks on a white background.

Color Contrast Check

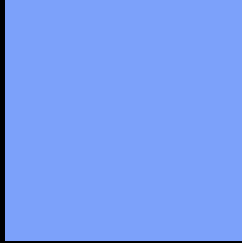
Large Text (above 18pt) WCAG AA × Fail

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 36.6770, 0.2247, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

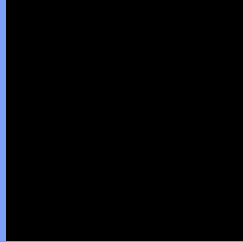
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

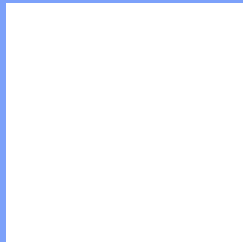
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6770, 0.2247, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 36.6770, 0.2247, 0.2151.



This preview shows how white text looks on a background with the Yxy color 36.6770, 0.2247, 0.2151.

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

36.6770, 0.2247, 0.2151

Protanopia

36.8065, 0.2289, 0.2159

Deuteranopia

36.6647, 0.2223, 0.2157



Tritanopia

36.8460, 0.2496, 0.3074

Trichromacy



Original Color

36.6770, 0.2247, 0.2151

Protanomaly

36.5704, 0.2272, 0.2154

Deuteranomaly

36.8077, 0.2233, 0.2160

Tritanomaly

36.4586, 0.2391, 0.2683

Monochromacy



Original Color

36.6770, 0.2247, 0.2151

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.1949, 0.2741, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6770, 0.2247, 0.2151 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(124, 161, 250)` looks like.

```
.text, #text, p{  
    color:rgb(124, 161, 250)  
}
```

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(124, 161, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 161, 250) }
```

Border

The CSS property to change the border of an element to Yxy 36.6770, 0.2247, 0.2151 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(124, 161, 250) }
```

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

```
.border{ border-color:rgb(124, 161, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 161, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 161, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 161, 250);  
box-shadow:4px 4px 4px 4px rgb(124, 161,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6770, 0.2247, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 161, 250) }
```

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

```
.background{ background-color: rgb(124,  
161, 250) }
```

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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