

Converting Colors

$Y_{xy}(37.1343, 0.2312, 0.2211)$

Have a look what the booklet for
Yxy(37.1343, 0.2312, 0.2211)
contains.

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Color

Yxy(37.0491, 0.2312, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	84A1F6
RGB	132, 161, 246
RGB Percent	52%, 63%, 96%
CMY	0.4822, 0.3687, 0.0352
CMYK	0.46, 0.35, 0.00, 0.04
HSL	225°, 86%, 74%
HSV	225°, 46%, 96%
XYZ	38.8999, 37.0491, 92.3031
YIQ	162.0190, -44.5690, 20.2870

Conversions

Conversions Part 2

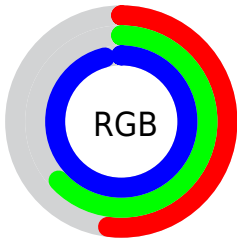
Format	Color
RYB	132, 155, 246
Decimal	8692214
CIELab	67.31, 12.12, -45.64
CIElCh	67, 47.221, 284.867
Yxy	37.0491, 0.2312, 0.2202
Android (android.graphics.Color)	4286882294 (0xFF84A1F6)
YUV	162.0190, 41.4026, -26.3267
Hunter-Lab	60.8680, 7.5579, -47.3026

Details

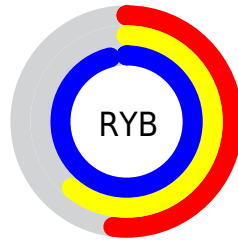
The Yxy color **37.0491, 0.2312, 0.2202** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.9150, 0.3943, 0.4174**, and the grayscale version is **35.9619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2789, 0.2713, 0.2859**, and **16.2818, 0.2088, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **29.3454, 0.2125, 0.1918**, and if you desaturate by 10%, it is **46.1643, 0.2502, 0.2476**.

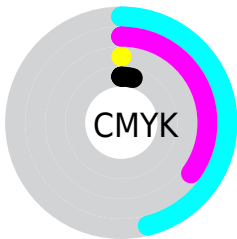
Distribution



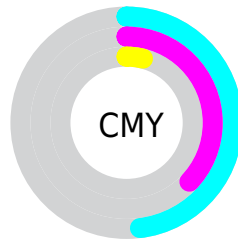
- Red (52%)
- Green (63%)
- Blue (96%)



- Red (52%)
- Yellow (61%)
- Blue (96%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (37%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0491, 0.2312, 0.2202 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 37.0491, 0.2312, 0.2202 by changing the saturation by 10% instead.

■ 37.0491, 0.2312,
0.2202

■ 37.0491, 0.2312,
0.2202

333.5230, 0.2721,
0.2728

■ 25.2455, 0.2212,
0.2079

■ 70.6483, 0.2459,
0.2387

■ 16.2601, 0.2087,
0.1928

■ 93.2127, 0.2515,
0.2459

■ 9.7084, 0.1926,
0.1737

■ 120.1328, 0.2563,
0.2520

■ 5.2060, 0.1713,
0.1492

151.7930, 0.2603,
0.2573

■ 2.3686, 0.1425,
0.1176

188.5778, 0.2639,
0.2619

■ 0.8097, 0.1034,
0.0771

230.8714, 0.2670,

■ 0.0000, 0.0030,

0.2660

0.0000

279.0584, 0.2697,
0.2696

0.0000, 0.0000,
0.0000

37.0491, 0.2312,
0.2202

37.0491, 0.2312,
0.2202

29.3454, 0.2125,
0.1918

46.1643, 0.2502,
0.2476

22.9750, 0.1951,
0.1634

56.7554, 0.2688,
0.2731

17.8576, 0.1800,
0.1365

68.8876, 0.2865,
0.2963

13.9015, 0.1680,
0.1126

82.6207, 0.3030,
0.3171

10.9993, 0.1598,
0.0930

98.0046, 0.3181,
0.3355

■ 10.1565, 0.1575,
0.0870

■ 99.4349, 0.3179,
0.3376

Harmonies

Analogous

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



37.0491, 0.1970, 0.2301



37.0491, 0.2312, 0.2202



37.0491, 0.2897, 0.2336

Triad

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



37.0491, 0.2312, 0.2202



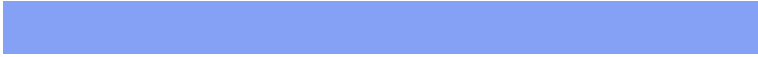
37.0491, 0.4540, 0.3656



37.0491, 0.2567, 0.4058

Complementary

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



37.0491, 0.2312, 0.2202



70.9150, 0.3943, 0.4174

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.



37.0491, 0.3225, 0.4543



37.0491, 0.2312, 0.2202



37.0491, 0.4386, 0.4170

Square

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



37.0491, 0.2312, 0.2202



37.0491, 0.4257, 0.3128



37.0491, 0.3892, 0.4539



37.0491, 0.2093, 0.3311

Rectangle

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



37.0491, 0.2312, 0.2202



37.0491, 0.3378, 0.2536



37.0491, 0.3892, 0.4539



37.0491, 0.2773, 0.4267

Sweetspot

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



37.0504, 0.2312, 0.2202



78.0182, 0.2904, 0.3013



75.7682, 0.2648, 0.3660



16.0405, 0.2868, 0.2966



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.



37.0504, 0.2312, 0.2202



32.0108, 0.2129, 0.1924



30.4978, 0.2435, 0.1898



16.6110, 0.2979, 0.3108



5.6089, 0.1582, 0.0896



0.6511, 0.1647, 0.1129

Inverse Universe

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



38.6792, 0.4061, 0.2980



35.0461, 0.4381, 0.2928



82.7142, 0.3623, 0.4508



16.5516, 0.3254, 0.3230



10.6656, 0.5918, 0.3034



0.9534, 0.5568, 0.2841

Previews

White Background



This preview shows how the Yxy color 37.0491, 0.2312, 0.2202 looks on a white background.

Color Contrast Check

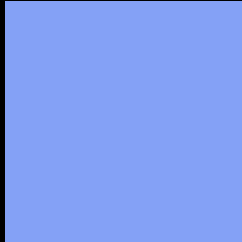
Large Text (above 18pt) WCAG AA × Fail

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 37.0491, 0.2312, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

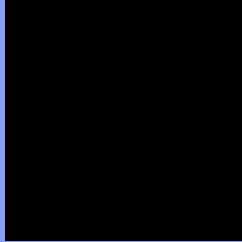
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0491, 0.2312, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 37.0491, 0.2312, 0.2202.



This preview shows how white text looks on a background with the Yxy color 37.0491, 0.2312, 0.2202.

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

37.0491, 0.2312, 0.2202

Protanopia

37.2119, 0.2324, 0.2205

Deuteranopia

37.2082, 0.2276, 0.2218



Tritanopia

37.1198, 0.2568, 0.3077

Trichromacy



Original Color

37.0491, 0.2312, 0.2202

Protanomaly

37.1301, 0.2318, 0.2204

Deuteranomaly

37.0837, 0.2291, 0.2209

Tritanomaly

36.9949, 0.2469, 0.2730

Monochromacy



Original Color

37.0491, 0.2312, 0.2202

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.2702, 0.2776, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0491, 0.2312, 0.2202 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(132, 161, 246)` looks like.

```
.text, #text, p{  
    color:rgb(132, 161, 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(132, 161, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 161, 246) }
```

Border

The CSS property to change the border of an element to Yxy 37.0491, 0.2312, 0.2202 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(132, 161, 246) }
```

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

```
.border{ border-color:rgb(132, 161, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 161, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 161, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 161, 246);  
box-shadow:4px 4px 4px 4px rgb(132, 161,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0491, 0.2312, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 161, 246) }
```

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

```
.background{ background-color: rgb(132,  
161, 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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