

Converting Colors

$Y_{xy}(37.3706, 0.2336, 0.2277)$

Have a look what the booklet for
Yxy(37.3706, 0.2336, 0.2277)
contains.

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Color

Yxy(37.3706, 0.2336, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	83A3F1
RGB	131, 163, 241
RGB Percent	51%, 64%, 95%
CMY	0.4861, 0.3608, 0.0549
CMYK	0.46, 0.32, 0.00, 0.05
HSL	223°, 80%, 73%
HSV	223°, 46%, 95%
XYZ	38.3389, 37.3706, 88.4126
YIQ	162.3240, -44.1100, 17.4740

Conversions

Conversions Part 2

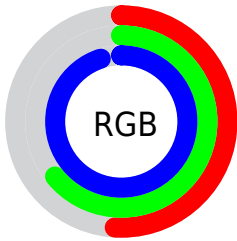
Format	Color
R _Y B	131, 156, 241
Decimal	8627185
CIE Lab	67.55, 9.29, -42.53
CIE LCh	68, 43.530, 282.319
Yxy	37.3706, 0.2336, 0.2277
Android (android.graphics.Color)	4286817265 (0xFF83A3F1)
YUV	162.3240, 38.7873, -27.4711
Hunter-Lab	61.1315, 4.9670, -42.9572

Details

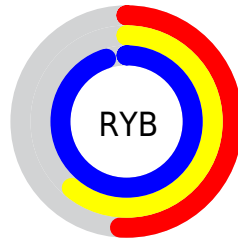
The Yxy color **37.3706, 0.2336, 0.2277** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.9666, 0.3948, 0.4122**, and the grayscale version is **36.1255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0542, 0.2703, 0.2880**, and **16.5470, 0.2116, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **29.9992, 0.2153, 0.2006**, and if you desaturate by 10%, it is **46.0131, 0.2522, 0.2536**.

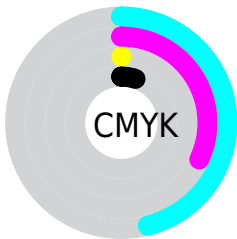
Distribution



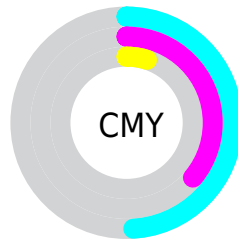
- Red (51%)
- Green (64%)
- Blue (95%)



- Red (51%)
- Yellow (61%)
- Blue (95%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)



- Cyan (49%)
- Magenta (36%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3706, 0.2336, 0.2277 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 37.3706, 0.2336, 0.2277 by changing the saturation by 10% instead.

■ 37.3706, 0.2336,
0.2277

■ 37.3706, 0.2336,
0.2277

334.9122, 0.2733,
0.2771

■ 25.4946, 0.2239,
0.2160

■ 71.1424, 0.2479,
0.2452

■ 16.4459, 0.2117,
0.2015

■ 93.8070, 0.2533,
0.2519

■ 9.8402, 0.1959,
0.1831

■ 120.8365, 0.2579,
0.2577

■ 5.2932, 0.1749,
0.1592

152.6153, 0.2619,
0.2626

■ 2.4203, 0.1462,
0.1277

189.5280, 0.2653,
0.2670

■ 0.8363, 0.1068,
0.0863

231.9587, 0.2683,

■ 0.0000, 0.0000,

0.2708

0.0000

280.2920, 0.2710,
0.2741

■ 37.3706, 0.2336,
0.2277

■ 37.3706, 0.2336,
0.2277

■ 29.9992, 0.2153,
0.2006

■ 46.0131, 0.2522,
0.2536

■ 23.8306, 0.1983,
0.1734

■ 55.9819, 0.2704,
0.2776

■ 18.7957, 0.1833,
0.1470

■ 67.3337, 0.2878,
0.2994

■ 14.8155, 0.1712,
0.1230

■ 80.1206, 0.3041,
0.3190

■ 11.7981, 0.1626,
0.1026

■ 94.3919, 0.3191,
0.3363

■ 10.7350, 0.1597,
0.0949

■ 99.1310, 0.3209,
0.3425

Harmonies

Analogous

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



37.3706, 0.2035, 0.2395



37.3706, 0.2336, 0.2277



37.3706, 0.2865, 0.2383

Triad

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



37.3706, 0.2336, 0.2277



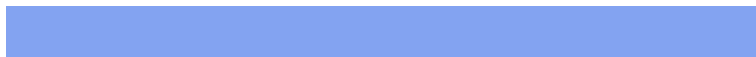
37.3706, 0.4421, 0.3598



37.3706, 0.2661, 0.4042

Complementary

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



37.3706, 0.2336, 0.2277



65.9666, 0.3948, 0.4122

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.



37.3706, 0.3279, 0.4451



37.3706, 0.2336, 0.2277



37.3706, 0.4319, 0.4078

Square

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



37.3706, 0.2336, 0.2277



37.3706, 0.4126, 0.3106



37.3706, 0.3889, 0.4425



37.3706, 0.2199, 0.3372

Rectangle

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



37.3706, 0.2336, 0.2277



37.3706, 0.3303, 0.2561



37.3706, 0.3889, 0.4425



37.3706, 0.2857, 0.4222

Sweetspot

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



37.3720, 0.2336, 0.2277



78.7388, 0.2905, 0.3027



72.2953, 0.2672, 0.3700



16.2144, 0.2868, 0.2982



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.



37.3720, 0.2336, 0.2277



34.4585, 0.2162, 0.2019



29.3706, 0.2421, 0.1914



15.9770, 0.2980, 0.3118



6.0222, 0.1605, 0.0976



0.6661, 0.1676, 0.1232

Inverse Universe

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



37.5893, 0.3991, 0.2941



35.8480, 0.4281, 0.2880



79.6133, 0.3642, 0.4477



15.8344, 0.3248, 0.3222



10.4013, 0.5795, 0.2966



0.8820, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 37.3706, 0.2336, 0.2277 looks on a white background.

Color Contrast Check

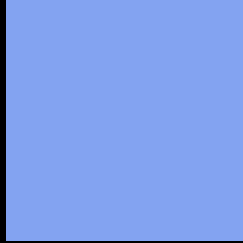
Large Text (above 18pt) WCAG AA × Fail

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 37.3706, 0.2336, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

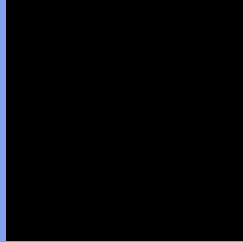
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

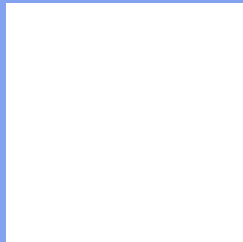
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3706, 0.2336, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 37.3706, 0.2336, 0.2277.



This preview shows how white text looks on a background with the Yxy color 37.3706, 0.2336, 0.2277.

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

37.3706, 0.2336, 0.2277

Protanopia

37.1843, 0.2380, 0.2271

Deuteranopia

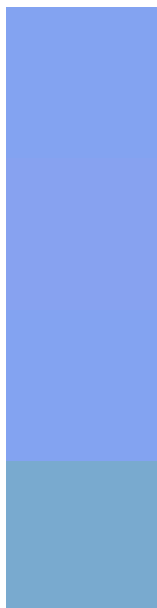
37.3706, 0.2336, 0.2277



Tritanopia

37.5730, 0.2577, 0.3093

Trichromacy



Original Color

37.3706, 0.2336, 0.2277

Protanomaly

37.2828, 0.2363, 0.2280

Deuteranomaly

37.3706, 0.2336, 0.2277

Tritanomaly

37.3194, 0.2477, 0.2758

Monochromacy



Original Color

37.3706, 0.2336, 0.2277

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1816, 0.2791, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3706, 0.2336, 0.2277 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(131, 163, 241)` looks like.

```
.text, #text, p{  
    color:rgb(131, 163, 241)  
}
```

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(131, 163, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 163, 241) }
```

Border

The CSS property to change the border of an element to Yxy 37.3706, 0.2336, 0.2277 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(131, 163, 241) }
```

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

```
.border{ border-color:rgb(131, 163, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 163, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 163, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 163, 241); box-shadow:4px 4px 4px 4px rgb(131, 163, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3706, 0.2336, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 163, 241) }
```

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

```
.background{ background-color: rgb(131,  
163, 241) }
```

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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