

Converting Colors

$Yxy(37.8687, 0.2339, 0.2282)$

Have a look what the booklet for
Yxy(37.8687, 0.2339, 0.2282)
contains.

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Color

Yxy(37.8673, 0.2339, 0.2282)

Conversions

Conversions Part 1

Format	Color
Hex	84A4F2
RGB	132, 164, 242
RGB Percent	52%, 64%, 95%
CMY	0.4825, 0.3568, 0.0510
CMYK	0.45, 0.32, 0.00, 0.05
HSL	223°, 81%, 73%
HSV	223°, 45%, 95%
XYZ	38.8132, 37.8673, 89.2586
YIQ	163.3240, -44.1100, 17.4740

Conversions

Conversions Part 2

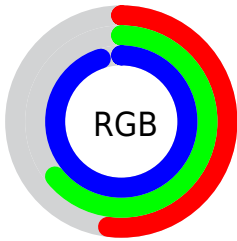
Format	Color
RYB	132, 157, 242
Decimal	8692978
CIELab	67.92, 9.22, -42.49
CIELCh	68, 43.474, 282.238
Yxy	37.8673, 0.2339, 0.2282
Android (android.graphics.Color)	4286883058 (0xFF84A4F2)
YUV	163.3240, 38.7873, -27.4711
Hunter-Lab	61.5364, 4.8974, -42.9247

Details

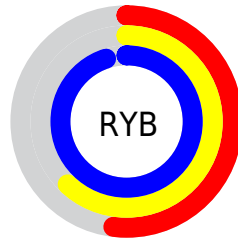
The Yxy color **37.8673, 0.2339, 0.2282** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.6095, 0.3945, 0.4118**, and the grayscale version is **36.6142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7019, 0.2710, 0.2892**, and **16.8089, 0.2127, 0.2035** is the 20% darker color. If you saturate the color by 10%, you get **30.4081, 0.2156, 0.2012**, and if you desaturate by 10%, it is **46.6096, 0.2525, 0.2540**.

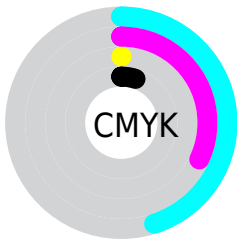
Distribution



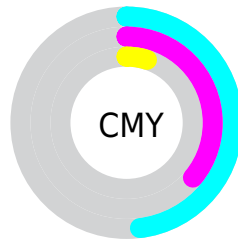
- Red (52%)
- Green (64%)
- Blue (95%)



- Red (52%)
- Yellow (62%)
- Blue (95%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (36%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8673, 0.2339, 0.2282 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 37.8673, 0.2339, 0.2282 by changing the saturation by 10% instead.

■ 37.8673, 0.2339,
0.2282

■ 37.8673, 0.2339,
0.2282

337.0504, 0.2734,
0.2773

■ 25.8797, 0.2243,
0.2166

■ 71.9047, 0.2481,
0.2456

■ 16.7337, 0.2122,
0.2022

■ 94.7233, 0.2535,
0.2523

■ 10.0448, 0.1965,
0.1840

■ 121.9210, 0.2581,
0.2580

■ 5.4287, 0.1757,
0.1603

153.8823, 0.2620,
0.2629

■ 2.5009, 0.1474,
0.1291

190.9914, 0.2654,
0.2672

■ 0.8771, 0.1084,
0.0882

233.6329, 0.2684,

■ 0.0000, 0.0016,

0.2710


0.0000

282.1911, 0.2711,
0.2743


 0.0000, 0.0000,
0.0000

 37.8673, 0.2339,
0.2282

 37.8673, 0.2339,
0.2282


 30.4081, 0.2156,
0.2012

 46.6096, 0.2525,
0.2540


 24.1632, 0.1985,
0.1739


 56.6906, 0.2707,
0.2780


 19.0630, 0.1835,
0.1476

 68.1674, 0.2881,
0.2998

 15.0281, 0.1714,
0.1235

 81.0926, 0.3044,
0.3193

 11.9659, 0.1627,
0.1030

 95.5157, 0.3194,
0.3366

■ 10.8496, 0.1597,
0.0950

■ 99.1902, 0.3203,
0.3415

Harmonies

Analogous

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



37.8673, 0.2040, 0.2400



37.8673, 0.2339, 0.2282



37.8673, 0.2865, 0.2387

Triad

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



37.8673, 0.2339, 0.2282



37.8673, 0.4414, 0.3596



37.8673, 0.2666, 0.4039

Complementary

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



37.8673, 0.2339, 0.2282



66.6095, 0.3945, 0.4118

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.



37.8673, 0.3281, 0.4444



37.8673, 0.2339, 0.2282



37.8673, 0.4313, 0.4073

Square

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



37.8673, 0.2339, 0.2282



37.8673, 0.4119, 0.3106



37.8673, 0.3886, 0.4418



37.8673, 0.2205, 0.3374

Rectangle

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



37.8673, 0.2339, 0.2282



37.8673, 0.3300, 0.2564



37.8673, 0.3886, 0.4418



37.8673, 0.2861, 0.4218

Sweetspot

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



37.8687, 0.2339, 0.2282



78.7514, 0.2905, 0.3027



73.0039, 0.2673, 0.3698



16.2175, 0.2868, 0.2983



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.



37.8687, 0.2339, 0.2282



34.4885, 0.2162, 0.2020



29.7732, 0.2423, 0.1919



15.9787, 0.2980, 0.3118



6.0329, 0.1605, 0.0978



0.6672, 0.1676, 0.1233

Inverse Universe

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



38.0514, 0.3986, 0.2941



35.8511, 0.4280, 0.2879



80.3765, 0.3641, 0.4473



15.8346, 0.3247, 0.3221



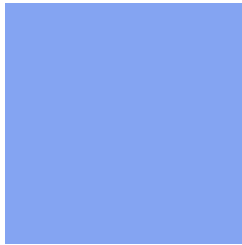
10.4024, 0.5792, 0.2965



0.8821, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 37.8673, 0.2339, 0.2282 looks on a white background.

Color Contrast Check

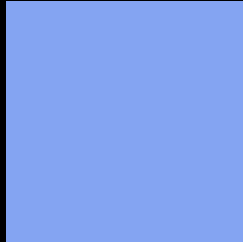
Large Text (above 18pt) WCAG AA × Fail

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 37.8673, 0.2339, 0.2282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

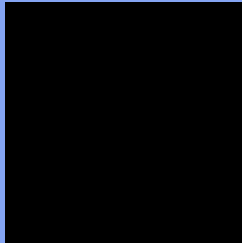
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

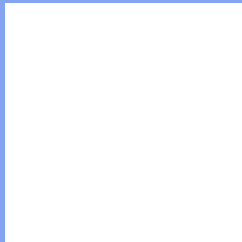
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8673, 0.2339, 0.2282

Background



This preview shows how black text looks on a background with the Yxy color 37.8673, 0.2339, 0.2282.



This preview shows how white text looks on a background with the Yxy color 37.8673, 0.2339, 0.2282.

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

37.8673, 0.2339, 0.2282

Protanopia

37.6805, 0.2383, 0.2276

Deuteranopia

37.9483, 0.2345, 0.2283



Tritanopia

38.1160, 0.2573, 0.3079

Trichromacy



Original Color

37.8673, 0.2339, 0.2282

Protanomaly

37.7795, 0.2366, 0.2285

Deuteranomaly

37.9483, 0.2345, 0.2283

Tritanomaly

37.8175, 0.2480, 0.2761

Monochromacy



Original Color

37.8673, 0.2339, 0.2282

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6756, 0.2793, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8673, 0.2339, 0.2282 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, 164, 242)` looks like.

```
.text, #text, p{  
    color:rgb(132, 164, 242)  
}
```

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, 164, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 164, 242) }
```

Border

The CSS property to change the border of an element to Yxy 37.8673, 0.2339, 0.2282 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, 164, 242) }
```

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

```
.border{ border-color:rgb(132, 164, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 164, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 164, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 164, 242);  
box-shadow:4px 4px 4px 4px rgb(132, 164,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8673, 0.2339, 0.2282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 164, 242) }
```

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

```
.background{ background-color: rgb(132,  
164, 242) }
```

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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