

Converting Colors

$Yxy(36.7801, 0.2388, 0.2309)$

Have a look what the booklet for
Yxy(36.7801, 0.2388, 0.2309)
contains.

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Color

Yxy(36.7801, 0.2388, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	88A1EC
RGB	136, 161, 236
RGB Percent	53%, 63%, 93%
CMY	0.4668, 0.3686, 0.0744
CMYK	0.42, 0.32, 0.00, 0.07
HSL	225°, 73%, 73%
HSV	225°, 42%, 93%
XYZ	38.0385, 36.7801, 84.4716
YIQ	162.0750, -38.9750, 18.0250

Conversions

Conversions Part 2

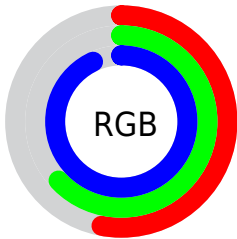
Format	Color
RYB	136, 156, 236
Decimal	8954348
CIELab	67.11, 10.23, -40.48
CIElCh	67, 41.748, 284.179
Yxy	36.7801, 0.2388, 0.2309
Android (android.graphics.Color)	4287144428 (0xFF88A1EC)
YUV	162.0750, 36.4450, -22.8678
Hunter-Lab	60.6466, 5.8264, -40.1294

Details

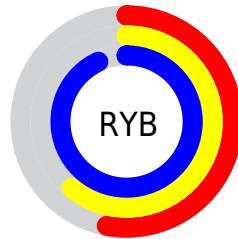
The Yxy color **36.7801, 0.2388, 0.2309** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.2038, 0.3864, 0.4104**, and the grayscale version is **36.0072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6692, 0.2731, 0.2861**, and **16.1526, 0.2176, 0.2053** is the 20% darker color. If you saturate the color by 10%, you get **29.2640, 0.2199, 0.2027**, and if you desaturate by 10%, it is **45.6096, 0.2577, 0.2577**.

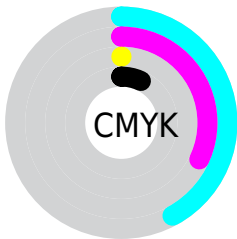
Distribution



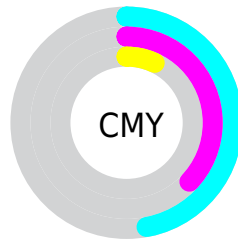
- Red (53%)
- Green (63%)
- Blue (93%)



- Red (53%)
- Yellow (61%)
- Blue (93%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (47%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7801, 0.2388, 0.2309 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 36.7801, 0.2388, 0.2309 by changing the saturation by 10% instead.

■ 36.7801, 0.2388,
0.2309

■ 36.7801, 0.2388,
0.2309

■ 332.3575, 0.2762,
0.2790

■ 25.0373, 0.2296,
0.2195

■ 70.2344, 0.2524,
0.2480

■ 16.1048, 0.2179,
0.2052

■ 92.7148, 0.2575,
0.2545

■ 9.5984, 0.2026,
0.1870

■ 119.5430, 0.2618,
0.2601

■ 5.1335, 0.1821,
0.1632

■ 151.1037, 0.2655,
0.2649

■ 2.3258, 0.1538,
0.1315

■ 187.7810, 0.2687,
0.2691

■ 0.7873, 0.1139,
0.0890

■ 229.9595, 0.2715,

■ 0.0000, 0.0000,

0.2728

0.0000

278.0235, 0.2740,
0.2761

■ 36.7801, 0.2388,
0.2309

■ 36.7801, 0.2388,
0.2309

■ 29.2640, 0.2199,
0.2027

■ 45.6096, 0.2577,
0.2577

■ 22.9917, 0.2018,
0.1741

■ 55.8091, 0.2760,
0.2824

■ 17.8931, 0.1856,
0.1464

■ 67.4367, 0.2932,
0.3047

■ 13.8886, 0.1723,
0.1211

■ 80.5458, 0.3091,
0.3246

■ 10.8870, 0.1625,
0.0997

■ 95.1871, 0.3236,
0.3421

■ 9.1897, 0.1574,
0.0866

■ 98.8377, 0.3238,
0.3473

Harmonies

Analogous

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



36.7801, 0.2080, 0.2411



36.7801, 0.2388, 0.2309



36.7801, 0.2912, 0.2424

Triad

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



36.7801, 0.2388, 0.2309



36.7801, 0.4381, 0.3623



36.7801, 0.2646, 0.3977

Complementary

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



36.7801, 0.2388, 0.2309



66.2038, 0.3864, 0.4104

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.



36.7801, 0.3239, 0.4393



36.7801, 0.2388, 0.2309



36.7801, 0.4261, 0.4082

Square

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



36.7801, 0.2388, 0.2309



36.7801, 0.4118, 0.3142



36.7801, 0.3833, 0.4398



36.7801, 0.2209, 0.3331

Rectangle

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



36.7801, 0.2388, 0.2309



36.7801, 0.3339, 0.2604



36.7801, 0.3833, 0.4398



36.7801, 0.2833, 0.4156

Sweetspot

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



36.7815, 0.2388, 0.2309



79.3986, 0.2921, 0.3033



69.8599, 0.2681, 0.3622



16.3105, 0.2884, 0.2985



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.



36.7815, 0.2388, 0.2309



35.8530, 0.2221, 0.2061



31.0640, 0.2508, 0.2034



15.1611, 0.2980, 0.3108



5.2370, 0.1581, 0.0891



0.5602, 0.1653, 0.1151

Inverse Universe

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



38.0132, 0.3946, 0.3010



38.3653, 0.4217, 0.2958



75.8824, 0.3585, 0.4403



15.1159, 0.3254, 0.3231



10.0215, 0.5926, 0.3038



0.8020, 0.5536, 0.2823

Previews

White Background



This preview shows how the Yxy color 36.7801, 0.2388, 0.2309 looks on a white background.

Color Contrast Check

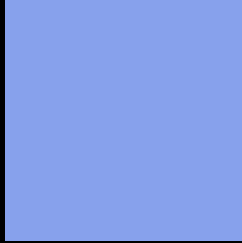
Large Text (above 18pt) WCAG AA × Fail

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 36.7801, 0.2388, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

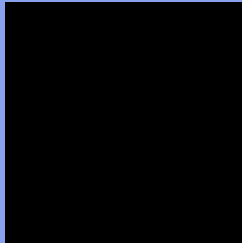
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7801, 0.2388, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 36.7801, 0.2388, 0.2309.



This preview shows how white text looks on a background with the Yxy color 36.7801, 0.2388, 0.2309.

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

36.7801, 0.2388, 0.2309

Protanopia

36.6867, 0.2406, 0.2301

Deuteranopia

36.9651, 0.2378, 0.2320



Tritanopia

36.7662, 0.2624, 0.3078

Trichromacy



Original Color

36.7801, 0.2388, 0.2309

Protanomaly

36.6010, 0.2399, 0.2299

Deuteranomaly

37.0477, 0.2384, 0.2321

Tritanomaly

36.5091, 0.2528, 0.2758

Monochromacy



Original Color

36.7801, 0.2388, 0.2309

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.2871, 0.2823, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7801, 0.2388, 0.2309 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(136, 161, 236)` looks like.

```
.text, #text, p{  
    color:rgb(136, 161, 236)  
}
```

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(136, 161, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 161, 236) }
```

Border

The CSS property to change the border of an element to Yxy 36.7801, 0.2388, 0.2309 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(136, 161, 236) }
```

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

```
.border{ border-color:rgb(136, 161, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 161, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 161, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 161, 236);  
box-shadow:4px 4px 4px 4px rgb(136, 161,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7801, 0.2388, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 161, 236) }
```

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

```
.background{ background-color: rgb(136,  
161, 236) }
```

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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