

Converting Colors

$Y_{xy}(36.2427, 0.2370, 0.2264)$

Have a look what the booklet for
Yxy(36.2427, 0.2370, 0.2264)
contains.

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Color

Yxy(36.1202, 0.2367, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	879FEE
RGB	135, 159, 238
RGB Percent	53%, 62%, 93%
CMY	0.4703, 0.3765, 0.0666
CMYK	0.43, 0.33, 0.00, 0.07
HSL	226°, 75%, 73%
HSV	226°, 43%, 93%
XYZ	37.8303, 36.1202, 85.8734
YIQ	160.8300, -39.6630, 19.4810

Conversions

Conversions Part 2

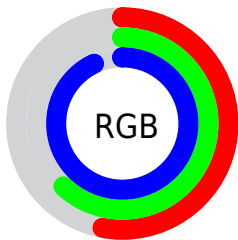
Format	Color
RYB	135, 154, 238
Decimal	8888302
CIELab	66.61, 11.71, -42.35
CIELCh	67, 43.938, 285.455
Yxy	36.1202, 0.2367, 0.2260
Android (android.graphics.Color)	4287078382 (0xFF879FEE)
YUV	160.8300, 38.0448, -22.6529
Hunter-Lab	60.1001, 7.1826, -42.6458

Details

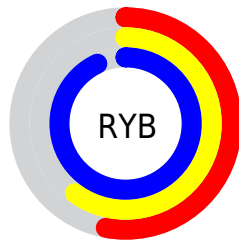
The Yxy color **36.1202, 0.2367, 0.2260** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.0657, 0.3873, 0.4138**, and the grayscale version is **35.3972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0150, 0.2722, 0.2826**, and **15.7648, 0.2150, 0.1991** is the 20% darker color. If you saturate the color by 10%, you get **28.5366, 0.2176, 0.1971**, and if you desaturate by 10%, it is **45.0764, 0.2558, 0.2536**.

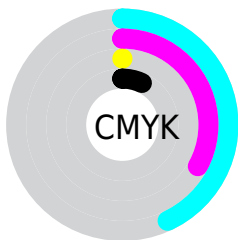
Distribution



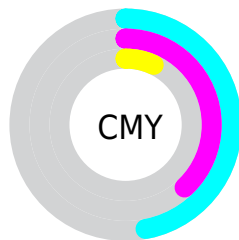
- Red (53%)
- Green (62%)
- Blue (93%)



- Red (53%)
- Yellow (60%)
- Blue (93%)



- Cyan (43%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1202, 0.2367, 0.2260 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 36.1202, 0.2367, 0.2260 by changing the saturation by 10% instead.


 36.1202, 0.2367,
0.2260


 36.1202, 0.2367,
0.2260


329.4856, 0.2752,
0.2763


 24.5270, 0.2272,
0.2141


 69.2176, 0.2507,
0.2439

 15.7250, 0.2151,
0.1993


 91.4905, 0.2559,
0.2507

 9.3298, 0.1995,
0.1804


 118.0922, 0.2604,
0.2565

 4.9569, 0.1785,
0.1560

149.4071, 0.2642,
0.2616

 2.2220, 0.1496,
0.1238

185.8195, 0.2675,
0.2660

 0.7320, 0.1094,
0.0809

227.7137, 0.2704,

 0.0000, 0.0000,

0.2698

0.0000

275.4743, 0.2730,
0.2733

■ 36.1202, 0.2367,
0.2260

■ 36.1202, 0.2367,
0.2260

■ 28.5366, 0.2176,
0.1971

■ 45.0764, 0.2558,
0.2536

■ 22.2514, 0.1995,
0.1680

■ 55.4663, 0.2743,
0.2791

■ 17.1888, 0.1833,
0.1401

■ 67.3520, 0.2918,
0.3023

■ 13.2629, 0.1702,
0.1150

■ 80.7908, 0.3078,
0.3228

■ 10.3750, 0.1608,
0.0943

■ 95.8368, 0.3224,
0.3410

■ 8.9358, 0.1564,
0.0831

■ 98.9536, 0.3226,
0.3454

Harmonies

Analogous

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



36.1202, 0.2035, 0.2353



36.1202, 0.2367, 0.2260



36.1202, 0.2926, 0.2390

Triad

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



36.1202, 0.2367, 0.2260



36.1202, 0.4456, 0.3655



36.1202, 0.2592, 0.3994

Complementary

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



36.1202, 0.2367, 0.2260



68.0657, 0.3873, 0.4138

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.



36.1202, 0.3212, 0.4454



36.1202, 0.2367, 0.2260



36.1202, 0.4309, 0.4137

Square

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



36.1202, 0.2367, 0.2260



36.1202, 0.4196, 0.3151



36.1202, 0.3842, 0.4469



36.1202, 0.2145, 0.3300

Rectangle

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



36.1202, 0.2367, 0.2260



36.1202, 0.3378, 0.2583



36.1202, 0.3842, 0.4469



36.1202, 0.2786, 0.4190

Sweetspot

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



36.1215, 0.2367, 0.2260



79.0716, 0.2921, 0.3027



71.1650, 0.2656, 0.3586



16.2306, 0.2884, 0.2978



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.



36.1215, 0.2367, 0.2260



34.2401, 0.2196, 0.2002



31.2544, 0.2520, 0.2013



15.8248, 0.2980, 0.3103



5.1477, 0.1571, 0.0855



0.5753, 0.1638, 0.1095

Inverse Universe

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



38.0269, 0.3993, 0.3025



37.5846, 0.4279, 0.2977



76.6890, 0.3569, 0.4436



15.8190, 0.3257, 0.3235



10.3130, 0.5983, 0.3069



0.8728, 0.5618, 0.2869

Previews

White Background



This preview shows how the Yxy color 36.1202, 0.2367, 0.2260 looks on a white background.

Color Contrast Check

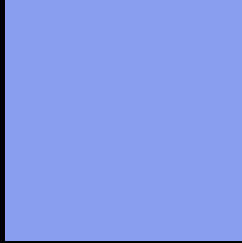
Large Text (above 18pt) WCAG AA × Fail

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 36.1202, 0.2367, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

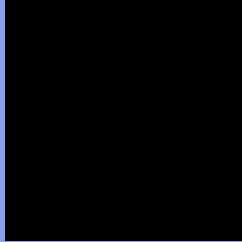
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1202, 0.2367, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 36.1202, 0.2367, 0.2260.



This preview shows how white text looks on a background with the Yxy color 36.1202, 0.2367, 0.2260.

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

36.1202, 0.2367, 0.2260

Protanopia

36.1202, 0.2367, 0.2260

Deuteranopia

36.3299, 0.2334, 0.2278



Tritanopia

36.1614, 0.2621, 0.3091

Trichromacy



Original Color

36.1202, 0.2367, 0.2260

Protanomaly

36.1202, 0.2367, 0.2260

Deuteranomaly

36.1400, 0.2344, 0.2267

Tritanomaly

35.9442, 0.2519, 0.2754

Monochromacy



Original Color

36.1202, 0.2367, 0.2260

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.4911, 0.2813, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1202, 0.2367, 0.2260 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(135, 159, 238)` looks like.

```
.text, #text, p{  
    color:rgb(135, 159, 238)  
}
```

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(135, 159, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 159, 238) }
```

Border

The CSS property to change the border of an element to Yxy 36.1202, 0.2367, 0.2260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

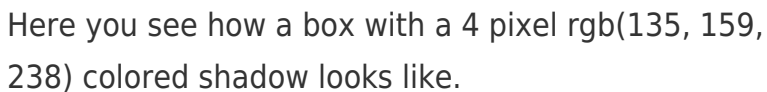
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 159, 238) }
```

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

```
.border{ border-color:rgb(135, 159, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 159, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 159, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 159, 238); box-shadow:4px 4px 4px 4px rgb(135, 159, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1202, 0.2367, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 159, 238) }
```

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

```
.background{ background-color: rgb(135,  
159, 238) }
```

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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