

Converting Colors

$Y_{xy}(37.9119, 0.2287, 0.2124)$

Have a look what the booklet for
Yxy(37.9119, 0.2287, 0.2124)
contains.

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Color

Yxy(37.8606, 0.2286, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	87A1FF
RGB	135, 161, 255
RGB Percent	53%, 63%, 100%
CMY	0.4706, 0.3686, 0.0000
CMYK	0.47, 0.37, 0.00, 0.00
HSL	227°, 100%, 76%
HSV	227°, 47%, 100%
XYZ	40.7867, 37.8606, 99.7721
YIQ	163.9420, -45.6700, 23.7220

Conversions

Conversions Part 2

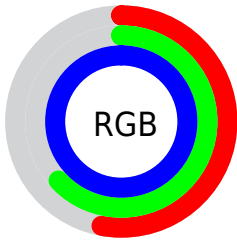
Format	Color
RYB	135, 156, 255
Decimal	8888831
CIELab	67.92, 15.42, -49.57
CIELCh	68, 51.916, 287.279
Yxy	37.8606, 0.2286, 0.2122
Android (android.graphics.Color)	4287078911 (0xFF87A1FF)
YUV	163.9420, 44.8916, -25.3821
Hunter-Lab	61.5310, 10.6421, -53.0667

Details

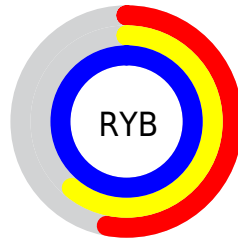
The Yxy color **37.8606, 0.2286, 0.2122** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.0457, 0.3938, 0.4228**, and the grayscale version is **36.8945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6692, 0.2731, 0.2861**, and **16.7656, 0.2056, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **29.5610, 0.2095, 0.1824**, and if you desaturate by 10%, it is **47.7834, 0.2481, 0.2411**.

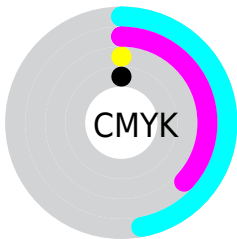
Distribution



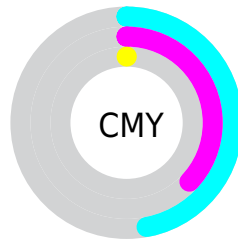
- Red (53%)
- Green (63%)
- Blue (100%)



- Red (53%)
- Yellow (61%)
- Blue (100%)



- Cyan (47%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8606, 0.2286, 0.2122 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 37.8606, 0.2286, 0.2122 by changing the saturation by 10% instead.

■ 37.8606, 0.2286,
0.2122

■ 37.8606, 0.2286,
0.2122

■ 337.0216, 0.2706,
0.2679

■ 25.8745, 0.2185,
0.1995

■ 71.8944, 0.2437,
0.2316

■ 16.7298, 0.2058,
0.1839

■ 94.7110, 0.2494,
0.2391

■ 10.0420, 0.1896,
0.1645

■ 121.9064, 0.2543,
0.2456

■ 5.4268, 0.1685,
0.1402

■ 153.8652, 0.2585,
0.2512

■ 2.4998, 0.1403,
0.1093

■ 190.9717, 0.2621,
0.2562

■ 0.8765, 0.1026,
0.0711

■ 233.6104, 0.2653,


■ 0.0000, 0.0282,


0.2605


0.0000

282.1655, 0.2681,
0.2644


 0.0000, 0.0000,
0.0000


 37.8606, 0.2286,
0.2122

 37.8606, 0.2286,
0.2122


 29.5610, 0.2095,
0.1824


 47.7834, 0.2481,
0.2411


 22.7926, 0.1918,
0.1531


 59.4094, 0.2671,
0.2682

 17.4574, 0.1766,
0.1259

 72.8161, 0.2851,
0.2929

 13.4439, 0.1649,
0.1025

 88.0754, 0.3018,
0.3150

 10.6199, 0.1572,
0.0842

100.0000, 0.3127,
0.3290

■ 9.9769, 0.1555,
0.0799

Harmonies

Analogous

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



37.8606, 0.1900, 0.2202



37.8606, 0.2286, 0.2122



37.8606, 0.2933, 0.2285

Triad

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



37.8606, 0.2286, 0.2122



37.8606, 0.4668, 0.3716



37.8606, 0.2462, 0.4073

Complementary

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



37.8606, 0.2286, 0.2122



79.0457, 0.3938, 0.4228

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.



37.8606, 0.3162, 0.4647



37.8606, 0.2286, 0.2122



37.8606, 0.4455, 0.4269

Square

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



37.8606, 0.2286, 0.2122



37.8606, 0.4403, 0.3151



37.8606, 0.3891, 0.4666



37.8606, 0.1979, 0.3240

Rectangle

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



37.8606, 0.2286, 0.2122



37.8606, 0.3461, 0.2508



37.8606, 0.3891, 0.4666



37.8606, 0.2679, 0.4316

Sweetspot

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



37.8614, 0.2286, 0.2122



77.2845, 0.2904, 0.2999



82.2168, 0.2624, 0.3618



15.8637, 0.2867, 0.2950



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.



37.8614, 0.2286, 0.2122



30.3661, 0.2115, 0.1856



32.7630, 0.2450, 0.1882



18.0157, 0.2979, 0.3098



5.3893, 0.1562, 0.0822



0.6764, 0.1617, 0.1019

Inverse Universe

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



41.1609, 0.4137, 0.3022



34.8801, 0.4449, 0.2983



88.9572, 0.3602, 0.4541



18.0515, 0.3260, 0.3239



11.2720, 0.6034, 0.3098



1.1128, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 37.8606, 0.2286, 0.2122 looks on a white background.

Color Contrast Check

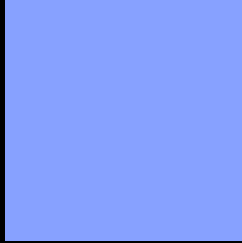
Large Text (above 18pt) WCAG AA × Fail

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 37.8606, 0.2286, 0.2122 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 37.8606, 0.2286, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 37.8606, 0.2286, 0.2122.



This preview shows how white text looks on a background with the Yxy color 37.8606, 0.2286, 0.2122.

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

37.8606, 0.2286, 0.2122

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

38.0591, 0.2219, 0.2160



Tritanopia

38.0471, 0.2567, 0.3079

Trichromacy



Original Color

37.8606, 0.2286, 0.2122

Protanomaly

37.9662, 0.2271, 0.2130

Deuteranomaly

38.0666, 0.2242, 0.2154

Tritanomaly

37.7645, 0.2455, 0.2683

Monochromacy



Original Color

37.8606, 0.2286, 0.2122

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.9979, 0.2764, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8606, 0.2286, 0.2122 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, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 161, 255)  
}
```

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, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.8606, 0.2286, 0.2122 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, 161, 255) }
```

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

```
.border{ border-color:rgb(135, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8606, 0.2286, 0.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 161, 255) }
```

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

```
.background{ background-color: rgb(135,  
161, 255) }
```

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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