

Converting Colors

$Y_{xy}(40.2607, 0.2317, 0.2203)$

Have a look what the booklet for
Yxy(40.2607, 0.2317, 0.2203)
contains.

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Color

Yxy(40.2607, 0.2317, 0.2203)

Conversions

Conversions Part 1

Format	Color
Hex	8AA7FF
RGB	138, 167, 255
RGB Percent	54%, 65%, 100%
CMY	0.4590, 0.3450, 0.0000
CMYK	0.46, 0.35, 0.00, 0.00
HSL	225°, 100%, 77%
HSV	225°, 46%, 100%
XYZ	42.3441, 40.2607, 100.1492
YIQ	168.3610, -45.5320, 21.2200

Conversions

Conversions Part 2

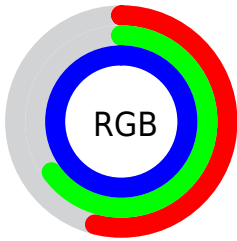
Format	Color
R _Y B	138, 161, 255
Decimal	9086975
CIE Lab	69.65, 12.67, -46.82
CIE LCh	70, 48.507, 285.145
Yxy	40.2607, 0.2317, 0.2203
Android (android.graphics.Color)	4287277055 (0xFF8AA7FF)
YUV	168.3610, 42.7130, -26.6266
Hunter-Lab	63.4513, 8.0818, -49.1652

Details

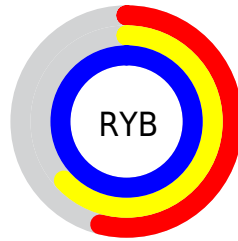
The Yxy color **40.2607, 0.2317, 0.2203** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **77.4544, 0.3934, 0.4173**, and the grayscale version is **39.1442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1983, 0.2755, 0.2930**, and **18.0442, 0.2099, 0.1929** is the 20% darker color. If you saturate the color by 10%, you get **31.8258, 0.2129, 0.1916**, and if you desaturate by 10%, it is **50.2496, 0.2508, 0.2479**.

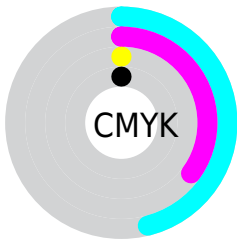
Distribution



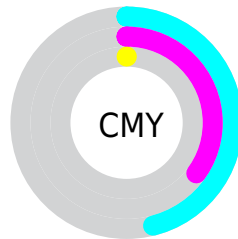
- Red (54%)
- Green (65%)
- Blue (100%)



- Red (54%)
- Yellow (63%)
- Blue (100%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2607, 0.2317, 0.2203 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 40.2607, 0.2317, 0.2203 by changing the saturation by 10% instead.


 40.2607, 0.2317,
0.2203


 40.2607, 0.2317,
0.2203


347.2212, 0.2718,
0.2721

 27.7419, 0.2221,
0.2084


 75.5603, 0.2460,
0.2384

 18.1312, 0.2101,
0.1938


 99.1099, 0.2515,
0.2454

 11.0442, 0.1947,
0.1756

127.1052, 0.2562,
0.2514

 6.0966, 0.1746,
0.1524

159.9306, 0.2602,
0.2567

 2.9039, 0.1478,
0.1226

197.9705, 0.2637,
0.2613

 1.0818, 0.1114,
0.0846

241.6093, 0.2667,

 0.0000, 0.0475,

0.2653

0.0000

291.2314, 0.2694,
0.2689

0.0000, 0.0000,
0.0000

40.2607, 0.2317,
0.2203

40.2607, 0.2317,
0.2203

31.8258, 0.2129,
0.1916

50.2496, 0.2508,
0.2479

24.8593, 0.1953,
0.1630

61.8643, 0.2695,
0.2736

19.2723, 0.1800,
0.1359

75.1766, 0.2872,
0.2969

14.9636, 0.1679,
0.1119

90.2525, 0.3037,
0.3178

11.8154, 0.1596,
0.0923

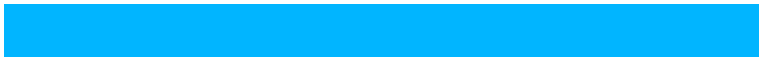
100.0000, 0.3127,
0.3290

■ 10.8093, 0.1571,
0.0856

Harmonies

Analogous

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



40.2607, 0.1973, 0.2300



40.2607, 0.2317, 0.2203



40.2607, 0.2904, 0.2339

Triad

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



40.2607, 0.2317, 0.2203



40.2607, 0.4539, 0.3661



40.2607, 0.2562, 0.4051

Complementary

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



40.2607, 0.2317, 0.2203



77.4544, 0.3934, 0.4173

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.



40.2607, 0.3218, 0.4540



40.2607, 0.2317, 0.2203



40.2607, 0.4381, 0.4174

Square

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



40.2607, 0.2317, 0.2203



40.2607, 0.4261, 0.3133



40.2607, 0.3886, 0.4540



40.2607, 0.2091, 0.3304

Rectangle

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



40.2607, 0.2317, 0.2203



40.2607, 0.3384, 0.2540



40.2607, 0.3886, 0.4540



40.2607, 0.2768, 0.4261

Sweetspot

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



40.2619, 0.2317, 0.2203



77.9033, 0.2904, 0.3011



82.3961, 0.2642, 0.3632



16.0128, 0.2868, 0.2964



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.



40.2619, 0.2317, 0.2203



32.5236, 0.2146, 0.1942



33.6231, 0.2456, 0.1915



18.1102, 0.2979, 0.3106



5.8444, 0.1578, 0.0881



0.7328, 0.1636, 0.1089

Inverse Universe

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



42.2146, 0.4058, 0.2990



35.6527, 0.4356, 0.2941



89.4802, 0.3606, 0.4505



18.0610, 0.3255, 0.3231



11.3180, 0.5941, 0.3046



1.1185, 0.5627, 0.2873

Previews

White Background



This preview shows how the Yxy color 40.2607, 0.2317, 0.2203 looks on a white background.

Color Contrast Check

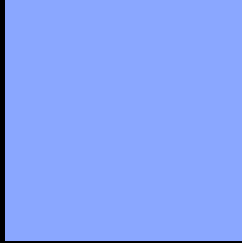
Large Text (above 18pt) WCAG AA × Fail

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 40.2607, 0.2317, 0.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

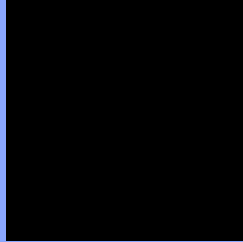
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2607, 0.2317, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 40.2607, 0.2317, 0.2203.



This preview shows how white text looks on a background with the Yxy color 40.2607, 0.2317, 0.2203.

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

40.2607, 0.2317, 0.2203

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.1283, 0.2570, 0.3069

Trichromacy



Original Color

40.2607, 0.2317, 0.2203

Protanomaly

40.3464, 0.2323, 0.2205

Deuteranomaly

40.2936, 0.2297, 0.2210

Tritanomaly

40.1298, 0.2475, 0.2723

Monochromacy



Original Color

40.2607, 0.2317, 0.2203

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.3435, 0.2780, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2607, 0.2317, 0.2203 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(138, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 167, 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(138, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.2607, 0.2317, 0.2203 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(138, 167, 255) }
```

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

```
.border{ border-color:rgb(138, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2607, 0.2317, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 167, 255) }
```

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

```
.background{ background-color: rgb(138,  
167, 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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