

Converting Colors

$Y_{xy}(40.6822, 0.2191, 0.2225)$

Have a look what the booklet for
Yxy(40.6822, 0.2191, 0.2225)
contains.

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Color

Yxy(40.6179, 0.2202, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	71ADFF
RGB	113, 173, 255
RGB Percent	44%, 68%, 100%
CMY	0.5568, 0.3216, 0.0000
CMYK	0.56, 0.32, 0.00, 0.00
HSL	215°, 100%, 72%
HSV	215°, 56%, 100%
XYZ	39.8045, 40.6179, 100.3427
YIQ	164.4080, -62.0820, 12.7820

Conversions

Conversions Part 2

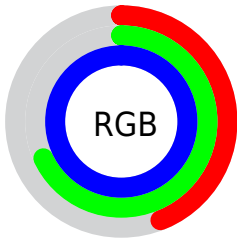
Format	Color
RYB	113, 155, 255
Decimal	7450111
CIELab	69.91, 3.79, -46.51
CIELCh	70, 46.666, 274.661
Yxy	40.6179, 0.2202, 0.2247
Android (android.graphics.Color)	4285640191 (0xFF71ADFF)
YUV	164.4080, 44.6619, -45.0848
Hunter-Lab	63.7322, -0.0477, -48.7362

Details

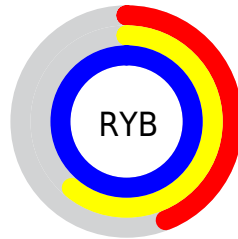
The Yxy color **40.6179, 0.2202, 0.2247** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.4901, 0.4267, 0.4117**, and the grayscale version is **37.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5910, 0.2629, 0.2986**, and **18.3328, 0.1963, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **33.8183, 0.2049, 0.2020**, and if you desaturate by 10%, it is **48.5179, 0.2368, 0.2468**.

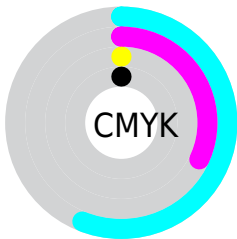
Distribution



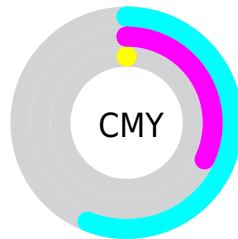
- Red (44%)
- Green (68%)
- Blue (100%)



- Red (44%)
- Yellow (61%)
- Blue (100%)



- Cyan (56%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6179, 0.2202, 0.2247 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 40.6179, 0.2202, 0.2247 by changing the saturation by 10% instead.


 40.6179, 0.2202,
0.2247


 40.6179, 0.2202,
0.2247


348.7211, 0.2654,
0.2751


 28.0206, 0.2096,
0.2130


 76.1035, 0.2362,
0.2424

 18.3412, 0.1964,
0.1985


 99.7607, 0.2423,
0.2492

 11.1952, 0.1797,
0.1804


 127.8732, 0.2476,
0.2551

 6.1983, 0.1581,
0.1571

160.8256, 0.2521,
0.2602

 2.9660, 0.1299,
0.1271

199.0022, 0.2561,
0.2646

 1.1140, 0.0929,
0.0884

242.7874, 0.2596,

 0.0000, 0.0148,

0.2685

0.0000

292.5655, 0.2626,
0.2720

■ 0.0000, 0.0000,
0.0000

■ 40.6179, 0.2202,
0.2247

■ 40.6179, 0.2202,
0.2247

■ 33.8183, 0.2049,
0.2020

■ 48.5179, 0.2368,
0.2468

■ 28.0539, 0.1914,
0.1793

■ 57.5694, 0.2539,
0.2678

■ 23.2571, 0.1804,
0.1576

■ 67.8249, 0.2711,
0.2872

■ 19.3463, 0.1722,
0.1376

■ 79.3320, 0.2879,
0.3049

■ 17.8861, 0.1693,
0.1295

■ 92.1354, 0.3040,
0.3208

99.9995, 0.3127,
0.3290

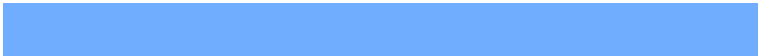
Harmonies

Analogous

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



40.6179, 0.1956, 0.2431



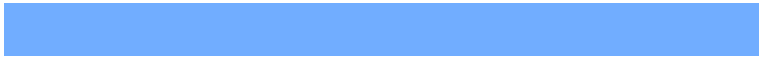
40.6179, 0.2202, 0.2247



40.6179, 0.2693, 0.2302

Triad

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



40.6179, 0.2202, 0.2247



40.6179, 0.4437, 0.3472



40.6179, 0.2794, 0.4226

Complementary

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



40.6179, 0.2202, 0.2247



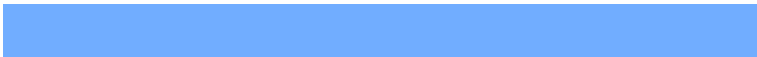
61.4901, 0.4267, 0.4117

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.



40.6179, 0.3451, 0.4539



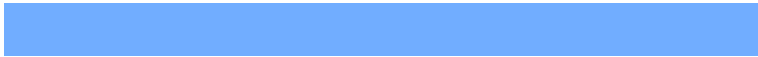
40.6179, 0.2202, 0.2247



40.6179, 0.4431, 0.3982

Square

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



40.6179, 0.2202, 0.2247



40.6179, 0.4031, 0.2974



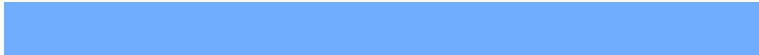
40.6179, 0.4054, 0.4399



40.6179, 0.2261, 0.3559

Rectangle

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



40.6179, 0.2202, 0.2247



40.6179, 0.3129, 0.2455



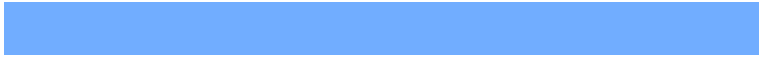
40.6179, 0.4054, 0.4399



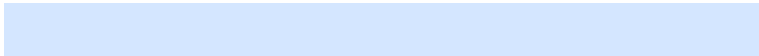
40.6179, 0.3008, 0.4382

Sweetspot

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



40.6193, 0.2202, 0.2247



77.7383, 0.2857, 0.3026



78.8991, 0.2688, 0.4060



16.1297, 0.2824, 0.2992



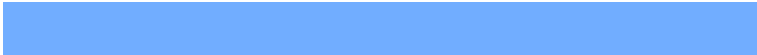
0.0000, 0.0000, 0.0000



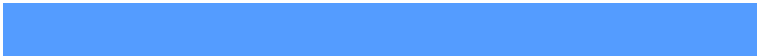
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6193, 0.2202, 0.2247



32.9982, 0.2030, 0.1989



23.2093, 0.2100, 0.1520



18.6390, 0.2979, 0.3149



9.6269, 0.1702, 0.1326



1.1480, 0.1763, 0.1547

Inverse Universe

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



36.0920, 0.4069, 0.2685



30.0353, 0.4379, 0.2607



92.2156, 0.3864, 0.4653



18.1144, 0.3228, 0.3190



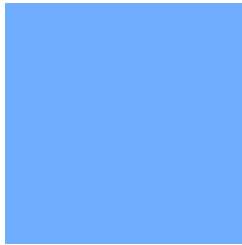
11.6998, 0.5292, 0.2689



1.1604, 0.4999, 0.2527

Previews

White Background



This preview shows how the Yxy color 40.6179, 0.2202, 0.2247 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 40.6179, 0.2202, 0.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

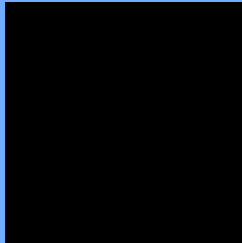
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

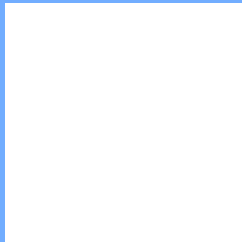
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6179, 0.2202, 0.2247

Background



This preview shows how black text looks on a background with the Yxy color 40.6179, 0.2202, 0.2247.



This preview shows how white text looks on a background with the Yxy color 40.6179, 0.2202, 0.2247.

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

40.6179, 0.2202, 0.2247

Protanopia

40.2903, 0.2366, 0.2257

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.6798, 0.2400, 0.3064

Trichromacy



Original Color

40.6179, 0.2202, 0.2247

Protanomaly

40.2295, 0.2297, 0.2247

Deuteranomaly

40.2545, 0.2248, 0.2221

Tritanomaly

40.4663, 0.2324, 0.2737

Monochromacy



Original Color

40.6179, 0.2202, 0.2247

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6884, 0.2706, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6179, 0.2202, 0.2247 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(113, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 173, 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(113, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6179, 0.2202, 0.2247 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(113, 173, 255) }
```

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

```
.border{ border-color:rgb(113, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(113, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6179, 0.2202, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 173, 255) }
```

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

```
.background{ background-color: rgb(113,  
173, 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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