

Converting Colors

$Y_{xy}(40.8306, 0.2292, 0.2385)$

Have a look what the booklet for
Yxy(40.8306, 0.2292, 0.2385)
contains.

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Color

Yxy(40.8687, 0.2293, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	79AEF4
RGB	121, 174, 244
RGB Percent	47%, 68%, 96%
CMY	0.5253, 0.3177, 0.0431
CMYK	0.50, 0.29, 0.00, 0.04
HSL	214°, 85%, 72%
HSV	214°, 50%, 96%
XYZ	39.3582, 40.8687, 91.4182
YIQ	166.1330, -54.0580, 10.5340

Conversions

Conversions Part 2

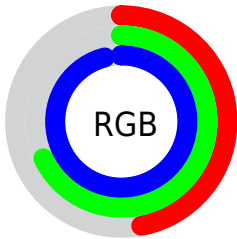
Format	Color
R _Y B	121, 158, 244
Decimal	7974644
CIE Lab	70.08, 1.63, -40.26
CIE LCh	70, 40.290, 272.317
Yxy	40.8687, 0.2293, 0.2381
Android (android.graphics.Color)	4286164724 (0xFF79AEF4)
YUV	166.1330, 38.3884, -39.5816
Hunter-Lab	63.9286, -1.9800, -40.0349

Details

The Yxy color **40.8687, 0.2293, 0.2381** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.9194, 0.4141, 0.4036**, and the grayscale version is **38.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8423, 0.2664, 0.3001**, and **18.4990, 0.2076, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **34.2289, 0.2134, 0.2160**, and if you desaturate by 10%, it is **48.5129, 0.2461, 0.2593**.

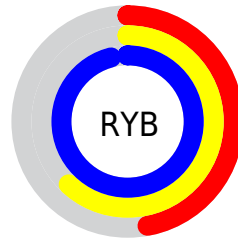
Distribution



Red (47%)

Green (68%)

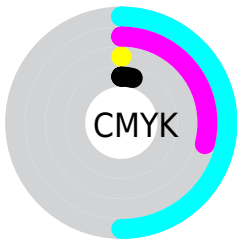
Blue (96%)



Red (47%)

Yellow (62%)

Blue (96%)

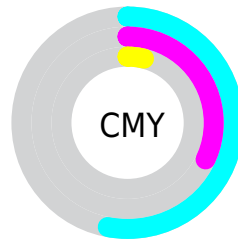


Cyan (50%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (53%)

Magenta (32%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8687, 0.2293, 0.2381 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 40.8687, 0.2293, 0.2381 by changing the saturation by 10% instead.

■ 40.8687, 0.2293,
0.2381

■ 40.8687, 0.2293,
0.2381

■ 349.7716, 0.2703,
0.2826

■ 28.2165, 0.2195,
0.2275

■ 76.4845, 0.2439,
0.2539

■ 18.4889, 0.2072,
0.2143

■ 100.2170, 0.2495,
0.2600

■ 11.3016, 0.1915,
0.1975

■ 128.4116, 0.2543,
0.2651

■ 6.2701, 0.1709,
0.1755

■ 161.4528, 0.2584,
0.2696

■ 3.0100, 0.1432,
0.1461

■ 199.7250, 0.2619,
0.2735

■ 1.1369, 0.1055,
0.1063

■ 243.6126, 0.2651,

■ 0.0093, 0.0112,

0.2769

0.0021

293.5000, 0.2679,
0.2799

0.0000, 0.0000,
0.0000

40.8687, 0.2293,
0.2381

40.8687, 0.2293,
0.2381

34.2289, 0.2134,
0.2160

48.5129, 0.2461,
0.2593

28.5381, 0.1989,
0.1936

57.2040, 0.2632,
0.2791

23.7407, 0.1867,
0.1715

66.9867, 0.2802,
0.2973

19.7714, 0.1770,
0.1507

77.9019, 0.2965,
0.3138

16.6450, 0.1701,
0.1324

89.9878, 0.3121,
0.3285

99.3129, 0.3191,
0.3395

Harmonies

Analogous

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



40.8687, 0.2091, 0.2570



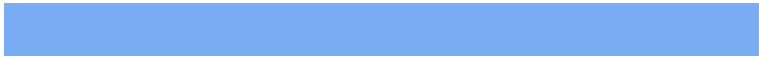
40.8687, 0.2293, 0.2381



40.8687, 0.2713, 0.2410

Triad

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



40.8687, 0.2293, 0.2381



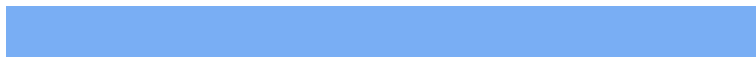
40.8687, 0.4240, 0.3428



40.8687, 0.2890, 0.4118

Complementary

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



40.8687, 0.2293, 0.2381



57.9194, 0.4141, 0.4036

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.



40.8687, 0.3465, 0.4362



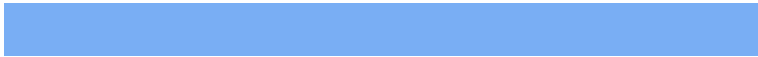
40.8687, 0.2293, 0.2381



40.8687, 0.4272, 0.3878

Square

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



40.8687, 0.2293, 0.2381



40.8687, 0.3867, 0.2987



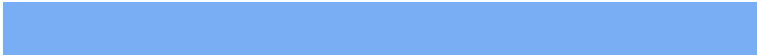
40.8687, 0.3976, 0.4238



40.8687, 0.2406, 0.3573

Rectangle

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



40.8687, 0.2293, 0.2381



40.8687, 0.3087, 0.2536



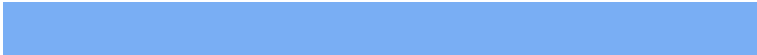
40.8687, 0.3976, 0.4238



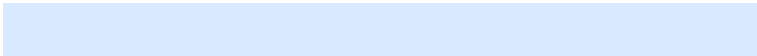
40.8687, 0.3079, 0.4242

Sweetspot

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



40.8702, 0.2293, 0.2381



80.3333, 0.2890, 0.3063



72.5333, 0.2716, 0.3970



16.6532, 0.2855, 0.3028



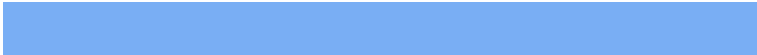
0.0000, 0.0000, 0.0000



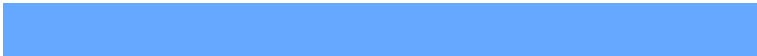
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8702, 0.2293, 0.2381



37.9990, 0.2137, 0.2166



24.9089, 0.2212, 0.1707



17.0999, 0.2980, 0.3152



9.3082, 0.1709, 0.1353



1.0180, 0.1777, 0.1596

Inverse Universe

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



35.9813, 0.3923, 0.2725



33.5847, 0.4167, 0.2638



83.8988, 0.3806, 0.4539



16.6010, 0.3226, 0.3189



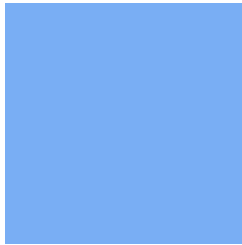
11.0390, 0.5254, 0.2668



0.9904, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 40.8687, 0.2293, 0.2381 looks on a white background.

Color Contrast Check

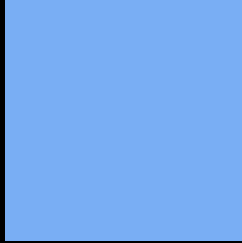
Large Text (above 18pt) WCAG AA × Fail

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 40.8687, 0.2293, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

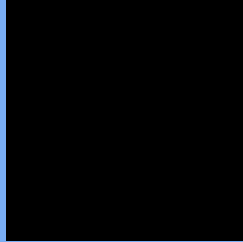
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

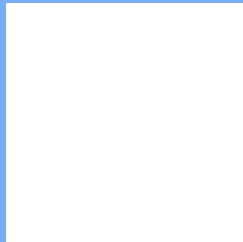
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8687, 0.2293, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 40.8687, 0.2293, 0.2381.



This preview shows how white text looks on a background with the Yxy color 40.8687, 0.2293, 0.2381.

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

40.8687, 0.2293, 0.2381

Protanopia

40.6268, 0.2471, 0.2391

Deuteranopia

40.7193, 0.2396, 0.2332



Tritanopia

41.0084, 0.2474, 0.3068

Trichromacy



Original Color

40.8687, 0.2293, 0.2381

Protanomaly

40.5893, 0.2400, 0.2382

Deuteranomaly

40.7867, 0.2352, 0.2347

Tritanomaly

40.9283, 0.2400, 0.2795

Monochromacy



Original Color

40.8687, 0.2293, 0.2381

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.7550, 0.2768, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8687, 0.2293, 0.2381 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(121, 174, 244)` looks like.

```
.text, #text, p{  
    color:rgb(121, 174, 244)  
}
```

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(121, 174, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 174, 244) }
```

Border

The CSS property to change the border of an element to Yxy 40.8687, 0.2293, 0.2381 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(121, 174, 244) }
```

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

```
.border{ border-color:rgb(121, 174, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 174, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 174, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 174, 244);  
box-shadow:4px 4px 4px 4px rgb(121, 174,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8687, 0.2293, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 174, 244) }
```

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

```
.background{ background-color: rgb(121,  
174, 244) }
```

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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