

Converting Colors

$Yxy(38.8840, 0.2378, 0.2622)$

Have a look what the booklet for
Yxy(38.8840, 0.2378, 0.2622)
contains.

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Color

Yxy(38.8206, 0.2377, 0.2622)

Conversions

Conversions Part 1

Format	Color
Hex	74ADDD
RGB	116, 173, 221
RGB Percent	45%, 68%, 87%
CMY	0.5452, 0.3215, 0.1333
CMYK	0.48, 0.22, 0.00, 0.13
HSL	207°, 61%, 66%
HSV	207°, 48%, 87%
XYZ	35.1932, 38.8206, 74.0434
YIQ	161.4290, -49.3800, 2.8440

Conversions

Conversions Part 2

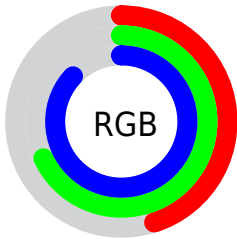
Format	Color
R _Y B	116, 153, 221
Decimal	7646685
CIE Lab	68.62, -5.71, -29.98
CIE LCh	69, 30.515, 259.224
Yxy	38.8206, 0.2377, 0.2622
Android (android.graphics.Color)	4285836765 (0xFF74ADDD)
YUV	161.4290, 29.3685, -39.8412
Hunter-Lab	62.3062, -8.2114, -26.8447

Details

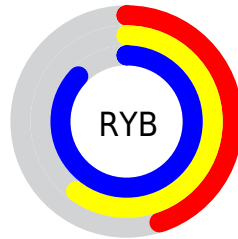
The Yxy color **38.8206, 0.2377, 0.2622** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.1673, 0.4135, 0.3861**, and the grayscale version is **35.7259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5910, 0.2629, 0.2986**, and **17.3275, 0.2166, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **33.7564, 0.2231, 0.2450**, and if you desaturate by 10%, it is **44.5406, 0.2533, 0.2785**.

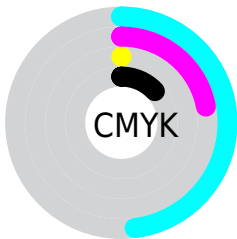
Distribution



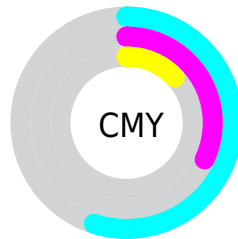
- Red (45%)
- Green (68%)
- Blue (87%)



- Red (45%)
- Yellow (60%)
- Blue (87%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (55%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8206, 0.2377, 0.2622 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 38.8206, 0.2377, 0.2622 by changing the saturation by 10% instead.

■ 38.8206, 0.2377,
0.2622

■ 38.8206, 0.2377,
0.2622

341.1272, 0.2751,
0.2962

■ 26.6202, 0.2285,
0.2537

■ 73.3642, 0.2512,
0.2746

■ 17.2882, 0.2169,
0.2428

■ 96.4761, 0.2563,
0.2792

■ 10.4402, 0.2017,
0.2284

■ 123.9941, 0.2606,
0.2832

■ 5.6918, 0.1813,
0.2088

156.3024, 0.2644,
0.2865

■ 2.6586, 0.1527,
0.1806

193.7854, 0.2676,
0.2894

■ 0.9562, 0.1114,
0.1387

236.8277, 0.2704,

■ 0.0000, 0.0000,

0.2919

0.0000

285.8134, 0.2729,
0.2942

■ 38.8206, 0.2377,
0.2622

■ 38.8206, 0.2377,
0.2622

■ 33.7564, 0.2231,
0.2450

■ 44.5406, 0.2533,
0.2785

■ 29.3111, 0.2098,
0.2272

■ 50.9416, 0.2693,
0.2938

■ 25.4503, 0.1984,
0.2092

■ 58.0527, 0.2853,
0.3077

■ 22.1325, 0.1892,
0.1916

■ 65.8993, 0.3011,
0.3204

■ 19.3035, 0.1823,
0.1747

■ 74.5059, 0.3164,
0.3317

■ 18.6593, 0.1807,
0.1706

■ 83.8954, 0.3311,
0.3418

■ 90.9964, 0.3342,
0.3514

■ 97.2303, 0.3329,
0.3610

■ 98.0004, 0.3327,
0.3621

Harmonies

Analogous

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



38.8206, 0.2297, 0.2861



38.8206, 0.2377, 0.2622



38.8206, 0.2643, 0.2563

Triad

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



38.8206, 0.2377, 0.2622



38.8206, 0.3885, 0.3254



38.8206, 0.3147, 0.4029

Complementary

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



38.8206, 0.2377, 0.2622



43.1673, 0.4135, 0.3861

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.



38.8206, 0.3587, 0.4104



38.8206, 0.2377, 0.2622



38.8206, 0.4034, 0.3618

Square

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



38.8206, 0.2377, 0.2622



38.8206, 0.3516, 0.2919



38.8206, 0.3917, 0.3934



38.8206, 0.2721, 0.3703

Rectangle

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



38.8206, 0.2377, 0.2622



38.8206, 0.2906, 0.2619



38.8206, 0.3917, 0.3934



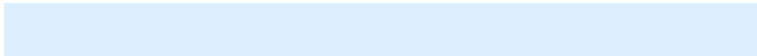
38.8206, 0.3298, 0.4085

Sweetspot

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



38.8220, 0.2377, 0.2622



83.8775, 0.2908, 0.3122



58.0757, 0.2802, 0.4100



17.4609, 0.2873, 0.3093



0.0000, 0.0000, 0.0000



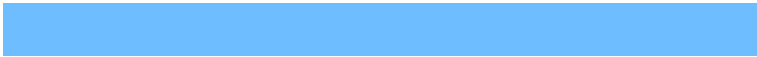
21.4041, 0.3127, 0.3290

Same Dimension

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



38.8220, 0.2377, 0.2622



46.7315, 0.2231, 0.2451



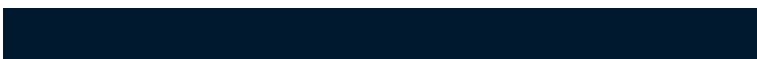
22.6590, 0.2238, 0.1871



13.7831, 0.2982, 0.3181



11.0690, 0.1814, 0.1731



0.8887, 0.1891, 0.2007

Inverse Universe

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



30.8726, 0.3705, 0.2623



35.9928, 0.3888, 0.2503



65.6145, 0.3851, 0.4397



13.1692, 0.3207, 0.3164



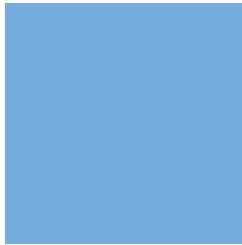
9.7412, 0.4768, 0.2400



0.6484, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 38.8206, 0.2377, 0.2622 looks on a white background.

Color Contrast Check

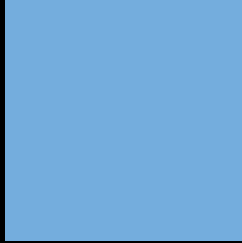
Large Text (above 18pt) WCAG AA × Fail

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 38.8206, 0.2377, 0.2622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

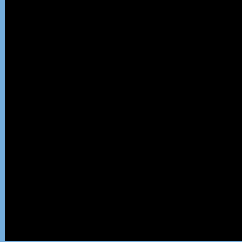
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8206, 0.2377, 0.2622

Background



This preview shows how black text looks on a background with the Yxy color 38.8206, 0.2377, 0.2622.

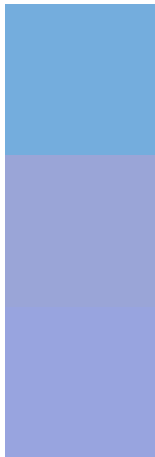


This preview shows how white text looks on a background with the Yxy color 38.8206, 0.2377, 0.2622.

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

38.8206, 0.2377, 0.2622

Protanopia

38.6866, 0.2648, 0.2624

Deuteranopia

38.5540, 0.2580, 0.2515



Tritanopia

38.7724, 0.2501, 0.3078

Trichromacy



Original Color

38.8206, 0.2377, 0.2622

Protanomaly

38.5905, 0.2539, 0.2624

Deuteranomaly

38.4003, 0.2500, 0.2550

Tritanomaly

38.6775, 0.2449, 0.2894

Monochromacy



Original Color

38.8206, 0.2377, 0.2622

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3489, 0.2805, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8206, 0.2377, 0.2622 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(116, 173, 221)` looks like.

```
.text, #text, p{  
    color:rgb(116, 173, 221)  
}
```

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(116, 173, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 173, 221) }
```

Border

The CSS property to change the border of an element to Yxy 38.8206, 0.2377, 0.2622 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(116, 173, 221) }
```

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

```
.border{ border-color:rgb(116, 173, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 173, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 173, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 173, 221);  
box-shadow:4px 4px 4px 4px rgb(116, 173,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.8206, 0.2377, 0.2622$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 173, 221) }
```

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

```
.background{ background-color: rgb(116,  
173, 221) }
```

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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