

Converting Colors

$Yxy(38.8628, 0.2413, 0.2804)$

Have a look what the booklet for
Yxy(38.8628, 0.2413, 0.2804)
contains.

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Color

Yxy(38.9691, 0.2416, 0.2813)

Conversions

Conversions Part 1

Format	Color
Hex	6EB0D1
RGB	110, 176, 209
RGB Percent	43%, 69%, 82%
CMY	0.5685, 0.3098, 0.1803
CMYK	0.47, 0.16, 0.00, 0.18
HSL	200°, 52%, 63%
HSV	200°, 47%, 82%
XYZ	33.4694, 38.9691, 66.0937
YIQ	160.0280, -49.9290, -3.7290

Conversions

Conversions Part 2

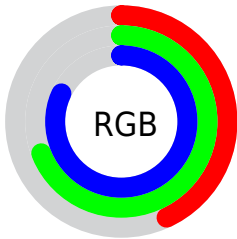
Format	Color
R _{YB}	110, 150, 209
Decimal	7254225
CIE _{Lab}	68.73, -12.13, -23.26
CIE _{LCh}	69, 26.231, 242.454
Yxy	38.9691, 0.2416, 0.2813
Android (android.graphics.Color)	4285444305 (0xFF6EB0D1)
YUV	160.0280, 24.1432, -43.8746
Hunter-Lab	62.4252, -13.5411, -19.0766

Details

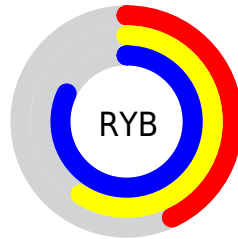
The Yxy color **38.9691, 0.2416, 0.2813** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.3491, 0.4204, 0.3708**, and the grayscale version is **35.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0402, 0.2598, 0.3030**, and **17.2291, 0.2215, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **35.1187, 0.2286, 0.2691**, and if you desaturate by 10%, it is **43.2792, 0.2557, 0.2929**.

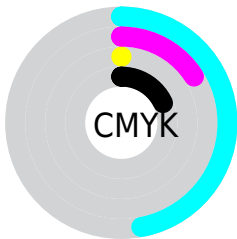
Distribution



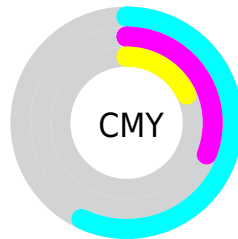
- Red (43%)
- Green (69%)
- Blue (82%)



- Red (43%)
- Yellow (59%)
- Blue (82%)



- Cyan (47%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (57%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9691, 0.2416, 0.2813 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 38.9691, 0.2416, 0.2813 by changing the saturation by 10% instead.

■ 38.9691, 0.2416,
0.2813

■ 38.9691, 0.2416,
0.2813

■ 341.7591, 0.2772,
0.3062

■ 26.7357, 0.2328,
0.2748

■ 73.5911, 0.2545,
0.2905

■ 17.3748, 0.2216,
0.2664

■ 96.7485, 0.2593,
0.2939

■ 10.5021, 0.2070,
0.2551

■ 124.3160, 0.2634,
0.2968

■ 5.7331, 0.1870,
0.2391

■ 156.6780, 0.2670,
0.2992

■ 2.6835, 0.1586,
0.2150

■ 194.2190, 0.2700,
0.3013

■ 0.9688, 0.1135,
0.1766

■ 237.3232, 0.2727,

■ 0.0000, 0.0000,

0.3032

0.0000

286.3751, 0.2751,
0.3047

■ 38.9691, 0.2416,
0.2813

■ 38.9691, 0.2416,
0.2813

■ 35.1187, 0.2286,
0.2691

■ 43.2792, 0.2557,
0.2929

■ 31.6989, 0.2172,
0.2565

■ 48.0670, 0.2706,
0.3037

■ 28.6836, 0.2076,
0.2437

■ 53.3546, 0.2860,
0.3137

■ 26.0405, 0.2000,
0.2309

■ 59.1613, 0.3014,
0.3229

■ 23.7266, 0.1944,
0.2184

■ 65.5052, 0.3167,
0.3311

■ 23.1513, 0.1931,
0.2151

■ 72.4033, 0.3317,
0.3384

■ 79.6148, 0.3451,
0.3450

■ 83.4590, 0.3439,
0.3519

■ 87.4589, 0.3427,
0.3587

Harmonies

Analogous

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



38.9691, 0.2445, 0.3103



38.9691, 0.2416, 0.2813



38.9691, 0.2561, 0.2670

Triad

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



38.9691, 0.2416, 0.2813



38.9691, 0.3618, 0.3092



38.9691, 0.3366, 0.3984

Complementary

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



38.9691, 0.2416, 0.2813



34.3491, 0.4204, 0.3708

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.



38.9691, 0.3703, 0.3932



38.9691, 0.2416, 0.2813



38.9691, 0.3860, 0.3404

Square

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



38.9691, 0.2416, 0.2813



38.9691, 0.3243, 0.2835



38.9691, 0.3889, 0.3710



38.9691, 0.2978, 0.3817

Rectangle

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



38.9691, 0.2416, 0.2813



38.9691, 0.2744, 0.2662



38.9691, 0.3889, 0.3710



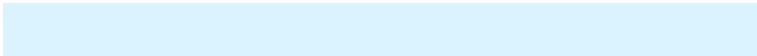
38.9691, 0.3489, 0.3990

Sweetspot

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



38.9706, 0.2416, 0.2813



86.4808, 0.2909, 0.3167



50.9137, 0.2871, 0.4273



18.0963, 0.2876, 0.3147



0.0000, 0.0000, 0.0000



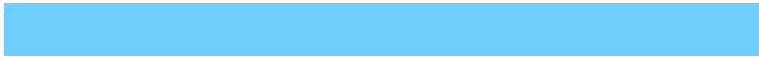
21.4041, 0.3127, 0.3290

Same Dimension

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



38.9706, 0.2416, 0.2813



54.8977, 0.2283, 0.2687



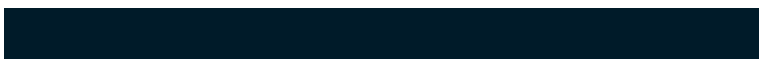
22.9803, 0.2277, 0.2054



12.7147, 0.2983, 0.3211



14.4588, 0.1936, 0.2169



0.9512, 0.2000, 0.2399

Inverse Universe

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



27.8525, 0.3549, 0.2489



36.8172, 0.3680, 0.2337



52.6156, 0.3907, 0.4275



11.9392, 0.3188, 0.3136



9.5309, 0.4266, 0.2124



0.5473, 0.4024, 0.1991

Previews

White Background



This preview shows how the Yxy color 38.9691, 0.2416, 0.2813 looks on a white background.

Color Contrast Check

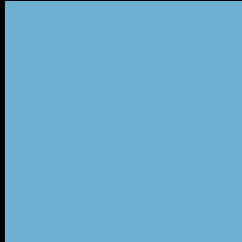
Large Text (above 18pt) WCAG AA × Fail

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 38.9691, 0.2416, 0.2813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

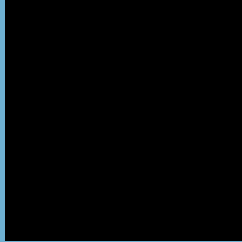
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9691, 0.2416, 0.2813

Background



This preview shows how black text looks on a background with the Yxy color 38.9691, 0.2416, 0.2813.

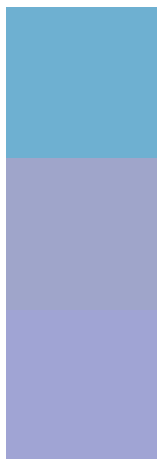


This preview shows how white text looks on a background with the Yxy color 38.9691, 0.2416, 0.2813.

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

38.9691, 0.2416, 0.2813

Protanopia

38.5455, 0.2779, 0.2788

Deuteranopia

38.7780, 0.2714, 0.2654



Tritanopia

39.0937, 0.2486, 0.3078

Trichromacy



Original Color

38.9691, 0.2416, 0.2813

Protanomaly

38.4464, 0.2624, 0.2788

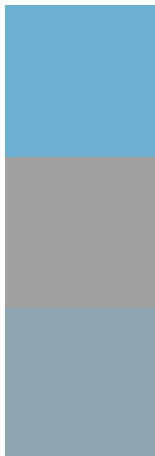
Deuteranomaly

38.4592, 0.2591, 0.2699

Tritanomaly

39.0901, 0.2460, 0.2978

Monochromacy



Original Color

38.9691, 0.2416, 0.2813

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.2376, 0.2819, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9691, 0.2416, 0.2813 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(110, 176, 209)` looks like.

```
.text, #text, p{  
    color:rgb(110, 176, 209)  
}
```

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(110, 176, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 176, 209) }
```

Border

The CSS property to change the border of an element to Yxy 38.9691, 0.2416, 0.2813 is called "border". The border property can be set on classes, ids or directly on the HTML element.

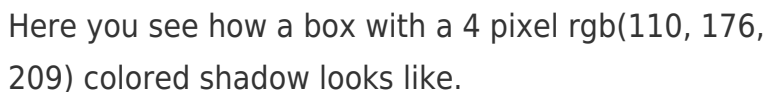
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 176, 209) }
```

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

```
.border{ border-color:rgb(110, 176, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 176, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 176, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 176, 209); box-shadow:4px 4px 4px 4px rgb(110, 176, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9691, 0.2416, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 176, 209) }
```

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

```
.background{ background-color: rgb(110,  
176, 209) }
```

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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