

Converting Colors

XYZ(38.3801, 47.6793,
101.8023)

Have a look what the booklet for
XYZ(38.3801, 47.6793, 101.8023)
contains.

XYZ(38.3821, 47.6793, 101.7878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3821, 47.6793,
101.7878)**

Conversions

Conversions Part 1

Format	Color
Hex	0BC6FF
RGB	11, 198, 255
RGB Percent	4%, 78%, 100%
CMY	0.9566, 0.2235, 0.0000
CMYK	0.96, 0.22, 0.00, 0.00
HSL	194°, 100%, 52%
HSV	194°, 96%, 100%
XYZ	38.3821, 47.6793, 101.7878
YIQ	148.5850, -129.7490, -21.9170

Conversions

Conversions Part 2

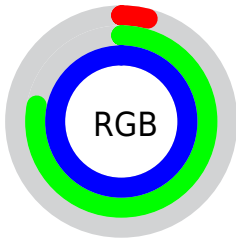
Format	Color
R _{YB}	11, 117, 255
Decimal	771839
CIE Lab	74.62, -21.04, -39.31
CIE LCh	75, 44.589, 241.844
Yxy	47.6793, 0.2043, 0.2538
Android (android.graphics.Color)	4278961919 (0xFF0BC6FF)
YUV	148.5850, 52.4626, -120.6620
Hunter-Lab	69.0502, -21.6172, -39.0650

Details

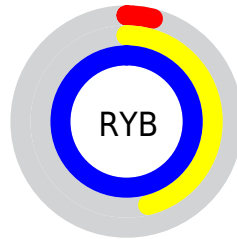
The XYZ color **38.3821, 47.6793, 101.7878** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **43.3723, 25.4272, 2.9408**, and the grayscale version is **28.2286, 29.6987, 32.3419**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **20.1663, 24.0237, 57.0002** is the 20% darker color. If you saturate the color by 10%, you get **37.6582, 46.4363, 101.5861**, and if you desaturate by 10%, it is **40.3813, 50.7726, 102.2795**.

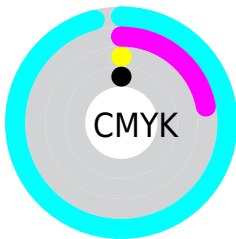
Distribution



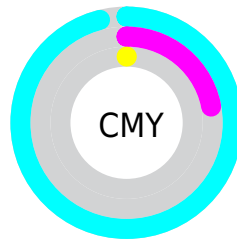
- Red (4%)
- Green (78%)
- Blue (100%)



- Red (4%)
- Yellow (46%)
- Blue (100%)



- Cyan (96%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3821, 47.6793, 101.7878 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 XYZ color 38.3821, 47.6793, 101.7878 by changing the saturation by 10% instead.

■ 38.3821, 47.6793,
101.7878

■ 38.3821, 47.6793,
101.7878

330.5088,
377.5195, 587.2050

■ 26.4579, 33.5730,
77.1693

■ 71.9936, 86.7267,
165.6851

■ 17.3010, 22.5658,
56.8794

■ 94.4116, 112.4366,
205.8010

■ 10.5460, 14.2732,
40.4997

■ 121.0582,
142.7832, 251.9197

■ 5.8275, 8.3109,
27.6116

■ 152.2989,
178.1508, 304.4598

■ 2.7801, 4.2945,
17.7966

■ 188.4989,
218.9238, 363.8399

■ 1.0386, 1.8397,
10.6361

230.0237,

■ 0.0000, 0.5117,

265.4867, 430.4784

5.7117

277.2385,
318.2238, 504.7939

■ 0.0000, 0.0000,
2.6046

■ 0.0000, 0.0000,
0.8948

■ 38.3821, 47.6793,
101.7878

■ 38.3821, 47.6793,
101.7878

■ 37.6582, 46.4363,
101.5861

■ 40.3813, 50.7726,
102.2795

■ 43.0679, 54.2999,
102.8187

■ 46.5588, 58.3231,
103.4113

■ 50.9473, 62.8913,
104.0618

■ 56.3134, 68.0463,
104.7740

■ 62.7277, 73.8257,
105.5514

■ 70.2542, 80.2630,
106.3973

■ 78.9515, 87.3894,
107.3144

■ 88.8742, 95.2338,
108.3055

Harmonies

Analogous

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



33.3715, 47.6793, 79.0730



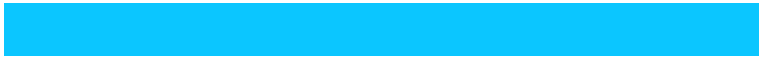
38.3821, 47.6793, 101.7878



45.8191, 47.6793, 110.2129

Triad

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



38.3821, 47.6793, 101.7878



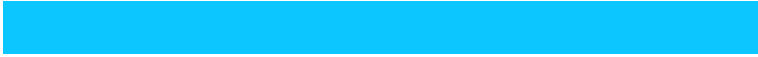
62.6659, 47.6793, 50.4972



37.6128, 47.6793, 22.5719

Complementary

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



38.3821, 47.6793, 101.7878



43.3723, 25.4272, 2.9408

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.



44.8201, 47.6793, 18.9579



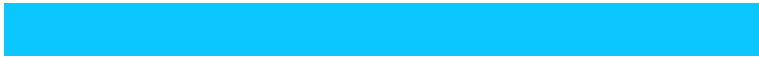
38.3821, 47.6793, 101.7878



59.8208, 47.6793, 31.8181

Square

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



38.3821, 47.6793, 101.7878



60.4238, 47.6793, 75.8381



53.0423, 47.6793, 21.7609



32.9658, 47.6793, 33.6395

Rectangle

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



38.3821, 47.6793, 101.7878



51.3410, 47.6793, 105.0618



53.0423, 47.6793, 21.7609



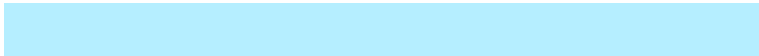
39.7850, 47.6793, 20.6230

Sweetspot

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



38.3836, 47.6809, 101.7880



67.6109, 78.0361, 106.1067



36.9421, 72.0089, 17.4192



13.7895, 16.1182, 22.6343



0.0000, 0.0000, 0.0000



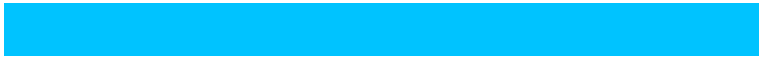
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3836, 47.6809, 101.7880



37.6582, 46.4363, 101.5861



20.7817, 12.4772, 95.9208



18.1739, 19.7195, 23.0983



19.7971, 24.5038, 53.1209



2.0105, 2.5517, 5.1998

Inverse Universe

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



51.5538, 25.5784, 55.6474



51.1373, 25.2189, 54.0485



59.7041, 58.0909, 8.3848



18.6004, 18.2235, 21.7790



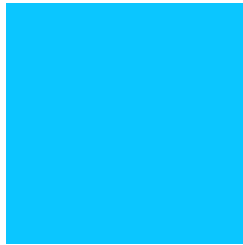
26.7809, 13.2016, 28.5602



2.6494, 1.3021, 3.0013

Previews

White Background



This preview shows how the XYZ color 38.3821, 47.6793, 101.7878 looks on a white background.

Color Contrast Check

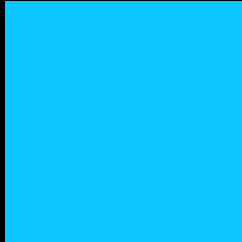
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.3821, 47.6793, 101.7878 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](#).

XYZ 38.3821, 47.6793, 101.7878

Background



This preview shows how black text looks on a background with the XYZ color 38.3821, 47.6793, 101.7878.



This preview shows how white text looks on a background with the XYZ color 38.3821, 47.6793,

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

38.3821, 47.6793, 101.7878

Protanopia

47.7155, 46.9927, 89.7747

Deuteranopia

48.0816, 46.9304, 101.1321



Tritanopia

34.0108, 47.7738, 73.7584

Trichromacy



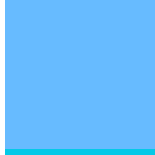
Original Color

38.3821, 47.6793, 101.7878



Protanomaly

40.7116, 45.4457, 93.8149



Deuteranomaly

41.4138, 45.6442, 101.2352



Tritanomaly

35.3605, 47.5686, 82.9193

Monochromacy



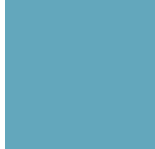
Original Color

38.3821, 47.6793, 101.7878



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

28.0414, 33.9209, 52.6464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3821, 47.6793, 101.7878 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(11, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 198, 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(11, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.3821, 47.6793, 101.7878 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(11, 198, 255) }
```


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

```
.border{ border-color:rgb(11, 198, 255) }
```

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

Here you see how a box with a 4 pixel rgb(11, 198, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3821, 47.6793, 101.7878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 198, 255) }
```

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

```
.background{ background-color: rgb(11, 198,  
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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