

Converting Colors

XYZ(38.8096, 43.6239,
104.0848)

Have a look what the booklet for
XYZ(38.8096, 43.6239, 104.0848)
contains.

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Color

**XYZ(38.2230, 43.3738,
100.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	4AB9FF
RGB	74, 185, 255
RGB Percent	29%, 73%, 100%
CMY	0.7098, 0.2745, 0.0000
CMYK	0.71, 0.27, 0.00, 0.00
HSL	203°, 100%, 65%
HSV	203°, 71%, 100%
XYZ	38.2230, 43.3738, 100.9652
YIQ	159.7910, -88.6260, -1.7620

Conversions

Conversions Part 2

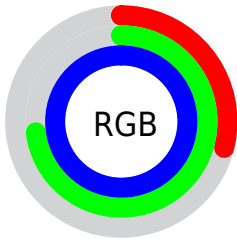
Format	Color
RYP	74, 143, 255
Decimal	4897279
CIELab	71.81, -9.42, -43.64
CIElCh	72, 44.642, 257.817
Yxy	43.3738, 0.2094, 0.2376
Android (android.graphics.Color)	4283087359 (0xFF4AB9FF)
YUV	159.7910, 46.9380, -75.2387
Hunter-Lab	65.8588, -11.6554, -44.7937

Details

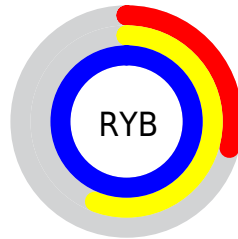
The XYZ color **38.2230, 43.3738, 100.9652** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **52.4511, 41.7039, 11.7658**, and the grayscale version is **33.1396, 34.8654, 37.9685**.

A 20% lighter version of the original color is **60.6606, 75.8814, 106.0572**, and **18.4443, 20.5797, 56.4262** is the 20% darker color. If you saturate the color by 10%, you get **34.6505, 38.5754, 100.2273**, and if you desaturate by 10%, it is **42.7364, 48.8711, 101.7884**.

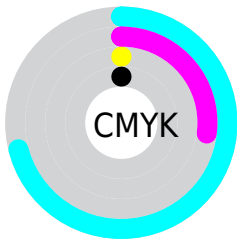
Distribution



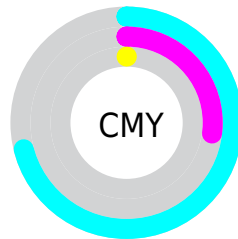
- Red (29%)
- Green (73%)
- Blue (100%)



- Red (29%)
- Yellow (56%)
- Blue (100%)



- Cyan (71%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2230, 43.3738, 100.9652 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 38.2230, 43.3738, 100.9652 by changing the saturation by 10% instead.

■ 38.2230, 43.3738,
100.9652

■ 38.2230, 43.3738,
100.9652

329.8400,
360.1468, 584.5559

■ 26.3338, 30.1785,
76.4855

■ 71.7515, 80.2746,
164.5464

■ 17.2075, 19.9741,
56.3217

■ 94.1215, 104.7490,
204.4849

■ 10.4788, 12.3762,
40.0551

■ 120.7159,
133.7518, 250.4135

■ 5.7822, 7.0005,
27.2674

■ 151.8999,
167.6675, 302.7507

■ 2.7525, 3.4624,
17.5400

188.0390,
206.8804, 361.9150

■ 1.0243, 1.3776,
10.4542

229.4984,

■ 0.0000, 0.2002,

251.7750, 428.3249

5.5916

276.6436,
302.7357, 502.3990

■ 0.0000, 0.0000,
2.5336

■ 0.0000, 0.0000,
0.8579

■ 38.2230, 43.3738,
100.9652

■ 38.2230, 43.3738,
100.9652

■ 34.6505, 38.5754,
100.2273

■ 42.7364, 48.8711,
101.7884

■ 31.9089, 34.4130,
99.5683

■ 48.2752, 55.1129,
102.7012

■ 30.0020, 31.1240,
99.0340

■ 54.9179, 62.1444,
103.7083

■ 62.7342, 70.0056,
104.8137

■ 71.7873, 78.7327,
106.0211

■ 82.1357, 88.3598,
107.3339

■ 93.8342, 98.9186,
108.7554

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



32.1853, 43.3738, 85.4413



38.2230, 43.3738, 100.9652



45.8520, 43.3738, 99.2116

Triad

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



38.2230, 43.3738, 100.9652



56.7314, 43.3738, 35.5622



31.3332, 43.3738, 24.3611

Complementary

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



38.2230, 43.3738, 100.9652



52.4511, 41.7039, 11.7658

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.



36.9211, 43.3738, 17.5735



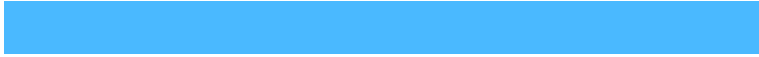
38.2230, 43.3738, 100.9652



51.8174, 43.3738, 22.5408

Square

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



38.2230, 43.3738, 100.9652



57.1918, 43.3738, 56.6033



44.3812, 43.3738, 17.0294



28.5472, 43.3738, 38.9474

Rectangle

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



38.2230, 43.3738, 100.9652



50.8322, 43.3738, 88.5150



44.3812, 43.3738, 17.0294



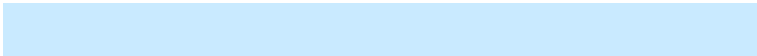
32.9125, 43.3738, 21.3143

Sweetspot

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



38.2244, 43.3752, 100.9654



71.7638, 78.7105, 106.0180



43.5725, 74.9713, 38.3164



14.7983, 16.3127, 22.6187



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.



38.2244, 43.3752, 100.9654



33.4539, 36.8275, 99.9529



24.9786, 16.8836, 96.5501



17.9304, 19.2325, 23.0172



15.8259, 16.5614, 51.7971



1.6469, 1.8246, 5.0786

Inverse Universe

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



52.4468, 29.6620, 48.8613



49.3082, 25.6091, 40.9580



71.8664, 80.5346, 18.2376



18.4775, 18.1743, 21.1318



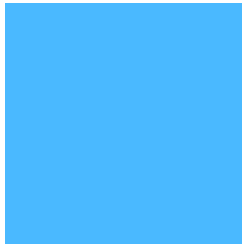
24.7764, 12.3998, 18.0047



2.4659, 1.2287, 2.0349

Previews

White Background



This preview shows how the XYZ color 38.2230, 43.3738, 100.9652 looks on a white background.

Color Contrast Check

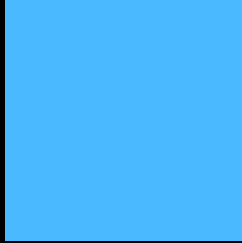
Large Text (above 18pt) WCAG AA × Fail

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 38.2230, 43.3738, 100.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

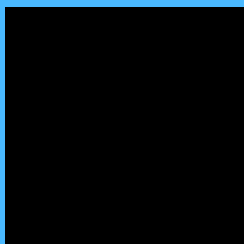
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

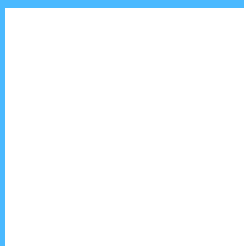
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2230, 43.3738, 100.9652

Background



This preview shows how black text looks on a background with the XYZ color 38.2230, 43.3738, 100.9652.

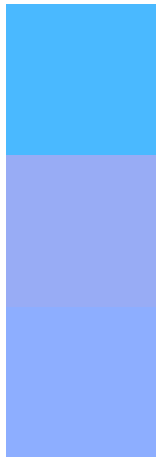


This preview shows how white text looks on a background with the XYZ color 38.2230, 43.3738,

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

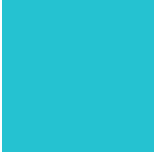
38.2230, 43.3738, 100.9652

Protanopia

44.1828, 42.7730, 92.3135

Deuteranopia

44.1706, 43.1548, 100.6094



Tritanopia

31.5634, 43.5803, 67.0699

Trichromacy



Original Color

38.2230, 43.3738, 100.9652

Protanomaly

41.1332, 42.5689, 95.6712

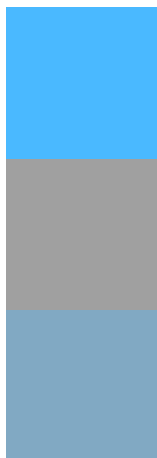
Deuteranomaly

41.3065, 42.8427, 100.7001

Tritanomaly

33.6737, 43.4307, 78.5597

Monochromacy



Original Color

38.2230, 43.3738, 100.9652

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0916, 36.9832, 57.0241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2230, 43.3738, 100.9652 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(74, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 185, 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(74, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2230, 43.3738, 100.9652 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(74, 185, 255) }
```


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

```
.border{ border-color:rgb(74, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2230, 43.3738, 100.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 185, 255) }
```

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

```
.background{ background-color: rgb(74, 185,  
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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