

Converting Colors

XYZ(30.5961, 38.7648, 74.5729)

Have a look what the booklet for
XYZ(30.5961, 38.7648, 74.5729)
contains.

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Color

**XYZ(30.5713, 38.7818,
74.2810)**

Conversions

Conversions Part 1

Format	Color
Hex	2BB5DD
RGB	43, 181, 221
RGB Percent	17%, 71%, 87%
CMY	0.8313, 0.2902, 0.1333
CMYK	0.81, 0.18, 0.00, 0.13
HSL	193°, 72%, 52%
HSV	193°, 81%, 87%
XYZ	30.5713, 38.7818, 74.2810
YIQ	144.2980, -95.0880, -16.8160

Conversions

Conversions Part 2

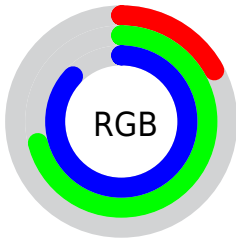
Format	Color
R_{YB}	43, 121, 221
Decimal	2864605
CIE _{Lab}	68.59, -22.04, -30.21
CIE _{LCh}	69, 37.401, 233.884
Yxy	38.7818, 0.2128, 0.2700
Android (android.graphics.Color)	4281054685 (0xFF2BB5DD)
YUV	144.2980, 37.8141, -88.8383
Hunter-Lab	62.2750, -21.3543, -27.1280

Details

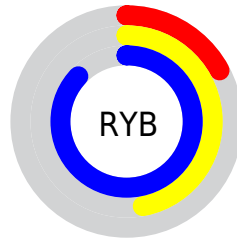
The XYZ color **30.5713, 38.7818, 74.2810** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.3499, 21.7358, 4.7248**, and the grayscale version is **26.5115, 27.8922, 30.3746**.

A 20% lighter version of the original color is **55.8054, 71.6399, 105.4944**, and **14.6021, 18.1915, 38.8181** is the 20% darker color. If you saturate the color by 10%, you get **28.8911, 36.4437, 73.9190**, and if you desaturate by 10%, it is **32.7914, 41.4531, 74.6804**.

Distribution



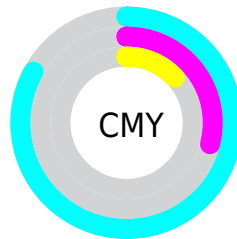
- Red (17%)
- Green (71%)
- Blue (87%)



- Red (17%)
- Yellow (47%)
- Blue (87%)



- Cyan (81%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (83%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5713, 38.7818, 74.2810 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 30.5713, 38.7818, 74.2810 by changing the saturation by 10% instead.

■ 30.5713, 38.7818,
74.2810

■ 30.5713, 38.7818,
74.2810

296.4207,
340.9619, 494.6319

■ 20.4228, 26.5900,
54.5259

■ 59.9449, 73.3049,
127.0318

■ 12.8128, 17.2656,
38.6262

■ 79.9008, 96.4049,
160.8645

■ 7.3759, 10.4240,
26.1635

■ 103.8566,
123.9099, 200.2269

■ 3.7467, 5.6810,
16.7191

■ 132.1776,
156.2042, 245.5374

■ 1.5598, 2.6521,
9.8746

■ 165.2291,
193.6721, 297.2146

■ 0.3660, 0.9529,
5.2114

203.3766,

■ 0.0000, 0.0000,

236.6981, 355.6771

2.3109

246.9853,
285.6666, 421.3434

■ 0.0000, 0.0000,
0.7373

■ 0.0000, 0.0000,
0.0000

■ 30.5713, 38.7818,
74.2810

■ 30.5713, 38.7818,
74.2810

■ 28.8911, 36.4437,
73.9190

■ 32.7914, 41.4531,
74.6804

■ 27.6776, 34.4731,
73.6026

■ 35.6188, 44.4907,
75.1177

■ 39.1149, 47.9276,
75.5968

■ 43.3322, 51.7913,
76.1203

■ 48.3177, 56.1067,
76.6905

■ 54.1145, 60.8963,
77.3094

■ 60.7622, 66.1812,
77.9791

■ 68.2979, 71.9809,
78.7014

■ 76.7563, 78.3139,
79.4780

Harmonies

Analogous

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



27.4317, 38.7818, 56.7927



30.5713, 38.7818, 74.2810



35.6657, 38.7818, 83.4629

Triad

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



30.5713, 38.7818, 74.2810



49.3287, 38.7818, 45.7830



32.4564, 38.7818, 18.9438

Complementary

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



30.5713, 38.7818, 74.2810



33.3499, 21.7358, 4.7248

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.



38.0826, 38.7818, 17.4622



30.5713, 38.7818, 74.2810



48.2357, 38.7818, 30.3921

Square

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



30.5713, 38.7818, 74.2810



46.8043, 38.7818, 64.4140



43.9590, 38.7818, 21.0451



28.4361, 38.7818, 25.8277

Rectangle

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



30.5713, 38.7818, 74.2810



39.6504, 38.7818, 82.2650



43.9590, 38.7818, 21.0451



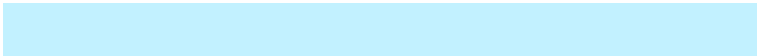
34.2055, 38.7818, 17.8899

Sweetspot

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



30.5726, 38.7832, 74.2820



71.7751, 81.7195, 106.5982



28.3608, 52.8303, 16.6016



14.7507, 16.9845, 22.7508



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.



30.5726, 38.7832, 74.2820



38.6642, 48.3063, 101.8940



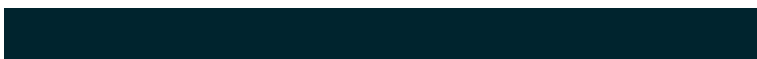
18.0018, 13.6416, 70.0917



13.1838, 14.3073, 16.7189



16.1665, 20.2024, 42.7858



1.1096, 1.4332, 2.7926

Inverse Universe

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



39.0244, 20.4376, 45.6054



51.6798, 25.5688, 56.4957



44.7377, 44.5113, 8.5207



13.4826, 13.2221, 15.8027



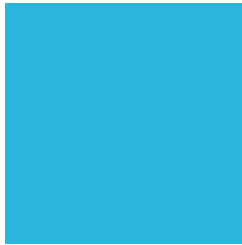
21.6554, 10.6632, 23.6292



1.4343, 0.7034, 1.6962

Previews

White Background



This preview shows how the XYZ color 30.5713, 38.7818, 74.2810 looks on a white background.

Color Contrast Check

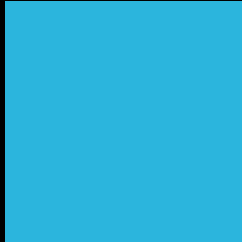
Large Text (above 18pt) WCAG AA × Fail

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 30.5713, 38.7818, 74.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

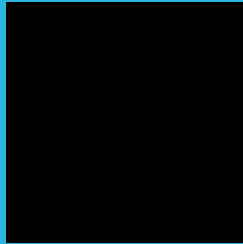
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

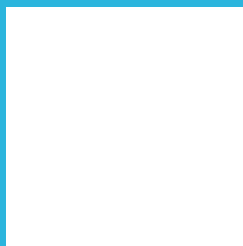
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5713, 38.7818, 74.2810

Background



This preview shows how black text looks on a background with the XYZ color 30.5713, 38.7818, 74.2810.

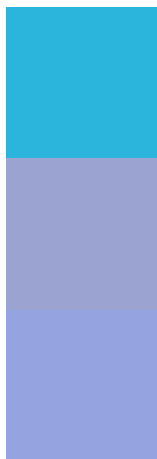


This preview shows how white text looks on a background with the XYZ color 30.5713, 38.7818,

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

30.5713, 38.7818, 74.2810

Protanopia

38.3017, 38.1229, 65.6613

Deuteranopia

39.2605, 38.3767, 76.5724



Tritanopia

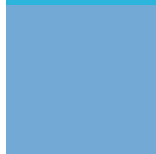
27.7743, 38.8681, 60.6820

Trichromacy



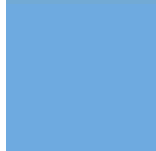
Original Color

30.5713, 38.7818, 74.2810



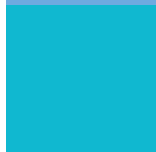
Protanomaly

33.3244, 37.1310, 68.3614



Deuteranomaly

34.2597, 37.4463, 75.9432



Tritanomaly

28.7393, 38.9452, 65.6770

Monochromacy



Original Color

30.5713, 38.7818, 74.2810



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.5668, 30.2183, 43.5149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5713, 38.7818, 74.2810 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(43, 181, 221)` looks like.

```
.text, #text, p{  
    color:rgb(43, 181, 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(43, 181, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 181, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.5713, 38.7818, 74.2810 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(43, 181, 221) }
```


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

```
.border{ border-color:rgb(43, 181, 221) }
```

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

Here you see how a box with a 4 pixel rgb(43, 181, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 181, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 181, 221);  
box-shadow:4px 4px 4px 4px rgb(43, 181,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5713, 38.7818, 74.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 181, 221) }
```

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

```
.background{ background-color: rgb(43, 181,  
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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