

Converting Colors

XYZ(28.0753, 33.7559, 71.5493)

Have a look what the booklet for
XYZ(28.0753, 33.7559, 71.5493)
contains.

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Color

**XYZ(28.0737, 33.7973,
71.3736)**

Conversions

Conversions Part 1

Format	Color
Hex	34A8DA
RGB	52, 168, 218
RGB Percent	20%, 66%, 85%
CMY	0.7960, 0.3412, 0.1451
CMYK	0.76, 0.23, 0.00, 0.15
HSL	198°, 69%, 53%
HSV	198°, 76%, 85%
XYZ	28.0737, 33.7973, 71.3736
YIQ	139.0160, -85.1860, -9.0420

Conversions

Conversions Part 2

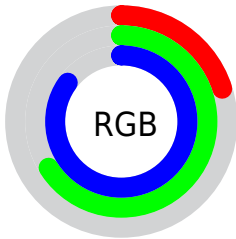
Format	Color
R_{YB}	52, 120, 218
Decimal	3451098
CIE _{Lab}	64.80, -15.30, -34.42
CIE _{LCh}	65, 37.669, 246.040
Yxy	33.7973, 0.2107, 0.2536
Android (android.graphics.Color)	4281641178 (0xFF34A8DA)
YUV	139.0160, 38.9391, -76.3130
Hunter-Lab	58.1354, -15.5391, -32.0962

Details

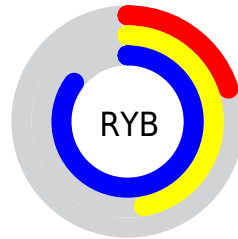
The XYZ color **28.0737, 33.7973, 71.3736** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **34.2864, 24.6586, 6.2028**, and the grayscale version is **24.4270, 25.6991, 27.9863**.

A 20% lighter version of the original color is **52.4637, 64.1329, 104.2215**, and **12.8563, 15.1351, 36.8941** is the 20% darker color. If you saturate the color by 10%, you get **26.0178, 30.9835, 70.9395**, and if you desaturate by 10%, it is **30.7108, 37.0028, 71.8540**.

Distribution



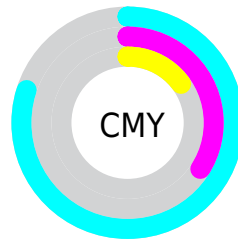
- Red (20%)
- Green (66%)
- Blue (85%)



- Red (20%)
- Yellow (47%)
- Blue (85%)



- Cyan (76%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (80%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0737, 33.7973, 71.3736 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 28.0737, 33.7973, 71.3736 by changing the saturation by 10% instead.

■ 28.0737, 33.7973,
71.3736

■ 28.0737, 33.7973,
71.3736

■ 284.8926,
319.2273, 484.2772

■ 18.5220, 22.7379,
52.1634

■ 56.0099, 65.6183,
122.8650

■ 11.4273, 14.4001,
36.7522

■ 75.1251, 87.1488,
155.9832

■ 6.4244, 8.3995,
24.7214

■ 98.1588, 112.9384,
194.5746

■ 3.1479, 4.3516,
15.6525

■ 125.4764,
143.3715, 239.0577

■ 1.2325, 1.8721,
9.1269

■ 157.4432,
178.8325, 289.8509

■ 0.1318, 0.5315,
4.7261

194.4246,

■ 0.0000, 0.0000,

219.7059, 347.3729

2.0316

236.7860,
266.3760, 412.0421

■ 0.0000, 0.0000,
0.5746

■ 0.0000, 0.0000,
0.0000

■ 28.0737, 33.7973,
71.3736

■ 28.0737, 33.7973,
71.3736

■ 26.0178, 30.9835,
70.9395

■ 30.7108, 37.0028,
71.8540

■ 24.4599, 28.5154,
70.5452

■ 33.9897, 40.6307,
72.3814

■ 23.9377, 27.6274,
70.4014

■ 37.9664, 44.7118,
72.9596

■ 42.6897, 49.2726,
73.5910

■ 48.2038, 54.3369,
74.2778

■ 54.5493, 59.9270,
75.0224

■ 61.7639, 66.0634,
75.8266

■ 69.8827, 72.7654,
76.6923

■ 78.9390, 80.0513,
77.6213

Harmonies

Analogous

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



24.4108, 33.7973, 57.3044



28.0737, 33.7973, 71.3736



33.2326, 33.7973, 75.1822

Triad

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



28.0737, 33.7973, 71.3736



43.6433, 33.7973, 33.7471



26.3729, 33.7973, 17.5547

Complementary

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



28.0737, 33.7973, 71.3736



34.2864, 24.6586, 6.2028

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.



31.0390, 33.7973, 14.3810



28.0737, 33.7973, 71.3736



41.3101, 33.7973, 21.8826

Square

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



28.0737, 33.7973, 71.3736



42.6206, 33.7973, 50.3018



36.5448, 33.7973, 15.7061



23.5088, 33.7973, 25.9595

Rectangle

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



28.0737, 33.7973, 71.3736



36.9197, 33.7973, 70.6638



36.5448, 33.7973, 15.7061



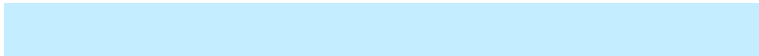
27.7614, 33.7973, 15.9671

Sweetspot

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



28.0749, 33.7985, 71.3744



71.2869, 79.7644, 106.2466



28.8773, 51.8293, 21.0029



14.5889, 16.4740, 22.6608



0.0000, 0.0000, 0.0000



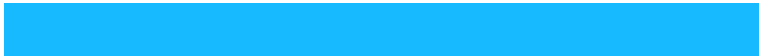
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0749, 33.7985, 71.3744



35.7725, 42.1423, 100.8566



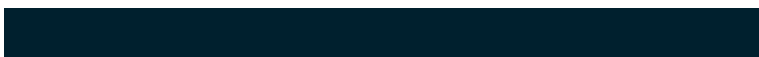
17.3369, 12.3226, 67.7951



13.0966, 14.1329, 16.6898



14.4395, 16.7484, 42.2101



1.0097, 1.2335, 2.7593

Inverse Universe

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



37.2104, 20.1899, 38.9827



50.3132, 25.3779, 48.2021



46.8417, 49.7693, 10.3879



13.4386, 13.2045, 15.5710



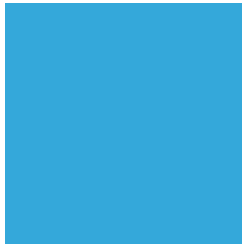
20.7837, 10.3145, 19.0389



1.3839, 0.6832, 1.4307

Previews

White Background



This preview shows how the XYZ color 28.0737, 33.7973, 71.3736 looks on a white background.

Color Contrast Check

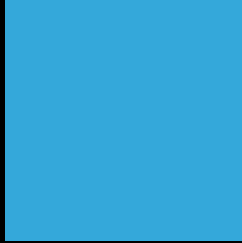
Large Text (above 18pt) WCAG AA × Fail

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 28.0737, 33.7973, 71.3736 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

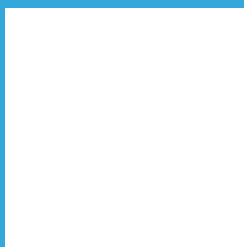
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0737, 33.7973, 71.3736

Background



This preview shows how black text looks on a background with the XYZ color 28.0737, 33.7973, 71.3736.

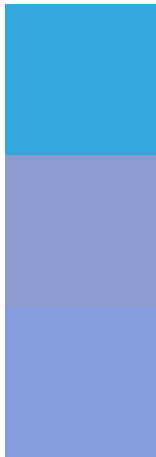


This preview shows how white text looks on a background with the XYZ color 28.0737, 33.7973,

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

28.0737, 33.7973, 71.3736

Protanopia

33.8026, 33.2789, 63.6734

Deuteranopia

34.2882, 33.5687, 73.0788



Tritanopia

24.1723, 33.5961, 52.7876

Trichromacy



Original Color

28.0737, 33.7973, 71.3736

Protanomaly

30.4627, 32.7506, 66.3440

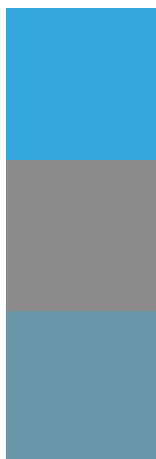
Deuteranomaly

31.0826, 33.1925, 72.4787

Tritanomaly

25.3237, 33.4824, 59.1609

Monochromacy



Original Color

28.0737, 33.7973, 71.3736

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.0376, 27.7656, 41.1382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0737, 33.7973, 71.3736 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(52, 168, 218)` looks like.

```
.text, #text, p{  
    color:rgb(52, 168, 218)  
}
```

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(52, 168, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 168, 218) }
```

Border

The CSS property to change the border of an element to XYZ 28.0737, 33.7973, 71.3736 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(52, 168, 218) }
```


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

```
.border{ border-color:rgb(52, 168, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 168, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 168, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 168, 218);  
box-shadow:4px 4px 4px 4px rgb(52, 168,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0737, 33.7973, 71.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 168, 218) }
```

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

```
.background{ background-color: rgb(52, 168,  
218) }
```

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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