

Converting Colors

XYZ(28.7830, 34.2948, 73.5111)

Have a look what the booklet for
XYZ(28.7830, 34.2948, 73.5111)
contains.

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Color

**XYZ(28.8700, 34.4371,
73.5320)**

Conversions

Conversions Part 1

Format	Color
Hex	38A9DD
RGB	56, 169, 221
RGB Percent	22%, 66%, 87%
CMY	0.7803, 0.3372, 0.1333
CMYK	0.75, 0.24, 0.00, 0.13
HSL	199°, 71%, 54%
HSV	199°, 75%, 87%
XYZ	28.8700, 34.4371, 73.5320
YIQ	141.1410, -84.0400, -7.7840

Conversions

Conversions Part 2

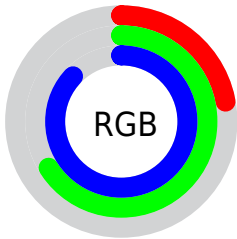
Format	Color
RYB	56, 123, 221
Decimal	3713501
CIELab	65.31, -14.36, -35.28
CIELCh	65, 38.095, 247.851
Yxy	34.4371, 0.2110, 0.2517
Android (android.graphics.Color)	4281903581 (0xFF38A9DD)
YUV	141.1410, 39.3705, -74.6687
Hunter-Lab	58.6831, -14.8799, -33.2142

Details

The XYZ color **28.8700, 34.4371, 73.5320** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **35.8970, 26.3856, 6.9440**, and the grayscale version is **25.2486, 26.5635, 28.9276**.

A 20% lighter version of the original color is **53.1631, 64.8913, 104.3310**, and **13.2442, 15.4758, 38.3655** is the 20% darker color. If you saturate the color by 10%, you get **26.6349, 31.4127, 73.0667**, and if you desaturate by 10%, it is **31.7213, 37.8828, 74.0475**.

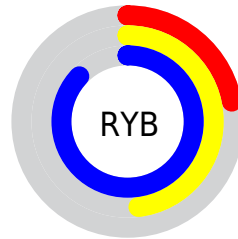
Distribution



Red (22%)

Green (66%)

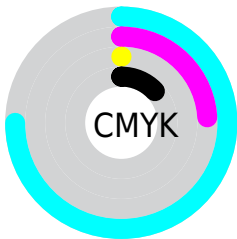
Blue (87%)



Red (22%)

Yellow (48%)

Blue (87%)

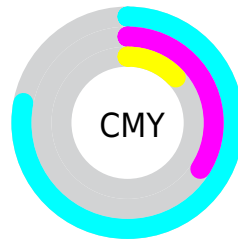


Cyan (75%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (78%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8700, 34.4371, 73.5320 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 28.8700, 34.4371, 73.5320 by changing the saturation by 10% instead.

■ 28.8700, 34.4371,
73.5320

■ 28.8700, 34.4371,
73.5320

288.6064,
322.0767, 491.9767

■ 19.1263, 23.2296,
53.9166

■ 57.2695, 66.6128,
125.9601

■ 11.8661, 14.7631,
38.1423

■ 76.6559, 88.3498,
159.6098

■ 6.7241, 8.6533,
25.7904

■ 99.9874, 114.3654,
198.7748

■ 3.3350, 4.5158,
16.4426

■ 127.6291,
145.0441, 243.8735

■ 1.3333, 1.9660,
9.6801

■ 159.9465,
180.7701, 295.3245

■ 0.2079, 0.5876,
5.0846

197.3050,

■ 0.0000, 0.0000,

221.9280, 353.5464

2.2374

240.0698,
268.9020, 418.9576

■ 0.0000, 0.0000,
0.6958

■ 0.0000, 0.0000,
0.0000

■ 28.8700, 34.4371,
73.5320

■ 28.8700, 34.4371,
73.5320

■ 26.6349, 31.4127,
73.0667

■ 31.7213, 37.8828,
74.0475

■ 24.9335, 28.7638,
72.6451

■ 35.2499, 41.7811,
74.6140

■ 24.1741, 27.4661,
72.4347

■ 39.5130, 46.1636,
75.2352

■ 44.5603, 51.0574,
75.9138

■ 50.4370, 56.4872,
76.6521

■ 57.1847, 62.4759,
77.4524

■ 64.8421, 69.0448,
78.3167

■ 73.4453, 76.2140,
79.2471

■ 83.0287, 84.0025,
80.2453

Harmonies

Analogous

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



25.0062, 34.4371, 59.5542



28.8700, 34.4371, 73.5320



34.2111, 34.4371, 76.6606

Triad

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



28.8700, 34.4371, 73.5320



44.4842, 34.4371, 33.4738



26.6092, 34.4371, 18.1680

Complementary

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



28.8700, 34.4371, 73.5320



35.8970, 26.3856, 6.9440

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.



31.2950, 34.4371, 14.6349



28.8700, 34.4371, 73.5320



41.9033, 34.4371, 21.6932

Square

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



28.8700, 34.4371, 73.5320



43.6459, 34.4371, 50.2419



36.9227, 34.4371, 15.7120



23.8075, 34.4371, 27.1119

Rectangle

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



28.8700, 34.4371, 73.5320



37.9752, 34.4371, 71.5370



36.9227, 34.4371, 15.7120



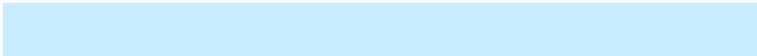
27.9940, 34.4371, 16.4426

Sweetspot

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



28.8712, 34.4383, 73.5329



71.9533, 80.1017, 106.2766



30.0644, 53.5850, 22.2606



14.8829, 16.6784, 22.6848



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.



28.8712, 34.4383, 73.5329



35.3286, 41.1636, 100.6911



18.2561, 13.2081, 69.9945



13.0808, 14.1013, 16.6845



14.1487, 16.1668, 42.1132



0.9926, 1.1993, 2.7536

Inverse Universe

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



38.3955, 21.0665, 39.5797



50.1112, 25.3820, 46.8774



48.5171, 51.6258, 11.1507



13.4306, 13.2013, 15.5289



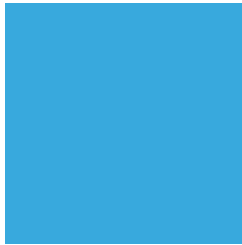
20.6369, 10.2558, 18.2660



1.3753, 0.6798, 1.3852

Previews

White Background



This preview shows how the XYZ color 28.8700, 34.4371, 73.5320 looks on a white background.

Color Contrast Check

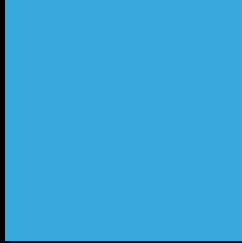
Large Text (above 18pt) WCAG AA × Fail

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 28.8700, 34.4371, 73.5320 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

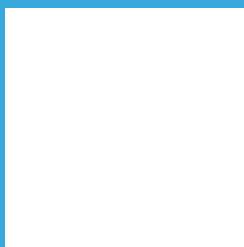
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8700, 34.4371, 73.5320

Background



This preview shows how black text looks on a background with the XYZ color 28.8700, 34.4371, 73.5320.

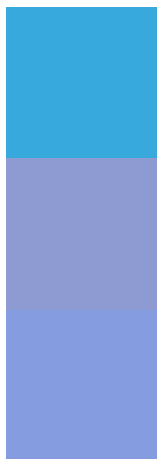


This preview shows how white text looks on a background with the XYZ color 28.8700, 34.4371,

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

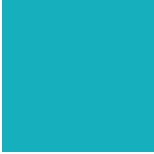
28.8700, 34.4371, 73.5320

Protanopia

34.6345, 33.8966, 66.3453

Deuteranopia

35.0159, 34.1453, 75.2662



Tritanopia

24.8462, 34.5046, 53.4946

Trichromacy



Original Color

28.8700, 34.4371, 73.5320



Protanomaly

31.3921, 33.4274, 69.0876



Deuteranomaly

31.8899, 33.8207, 74.6593



Tritanomaly

26.1459, 34.4443, 60.5287

Monochromacy



Original Color

28.8700, 34.4371, 73.5320



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.7527, 28.3505, 42.1978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8700, 34.4371, 73.5320 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(56, 169, 221)` looks like.

```
.text, #text, p{  
    color:rgb(56, 169, 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(56, 169, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 169, 221) }
```

Border

The CSS property to change the border of an element to XYZ 28.8700, 34.4371, 73.5320 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(56, 169, 221) }
```


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

```
.border{ border-color:rgb(56, 169, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 169, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 169, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 169, 221);  
box-shadow:4px 4px 4px 4px rgb(56, 169,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8700, 34.4371, 73.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 169, 221) }
```

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

```
.background{ background-color: rgb(56, 169,  
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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