

Converting Colors

XYZ(29.3155, 33.8575, 73.0760)

Have a look what the booklet for
XYZ(29.3155, 33.8575, 73.0760)
contains.

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Color

**XYZ(29.3598, 33.8706,
73.3969)**

Conversions

Conversions Part 1

Format	Color
Hex	48A6DD
RGB	72, 166, 221
RGB Percent	28%, 65%, 87%
CMY	0.7176, 0.3490, 0.1333
CMYK	0.67, 0.25, 0.00, 0.13
HSL	202°, 69%, 57%
HSV	202°, 67%, 87%
XYZ	29.3598, 33.8706, 73.3969
YIQ	144.1640, -73.6790, -2.8230

Conversions

Conversions Part 2

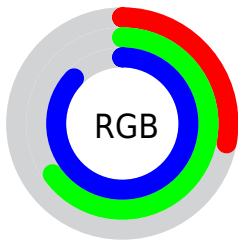
Format	Color
R_{YB}	72, 130, 221
Decimal	4761309
CIE _{Lab}	64.86, -10.54, -35.95
CIE _{LCh}	65, 37.462, 253.659
Yxy	33.8706, 0.2149, 0.2479
Android (android.graphics.Color)	4282951389 (0xFF48A6DD)
YUV	144.1640, 37.8801, -63.2878
Hunter-Lab	58.1985, -11.7981, -34.0346

Details

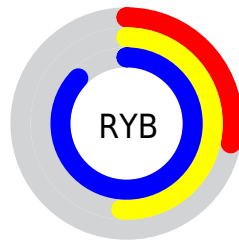
The XYZ color **29.3598, 33.8706, 73.3969** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.5793, 31.0208, 10.0865**, and the grayscale version is **26.4501, 27.8276, 30.3042**.

A 20% lighter version of the original color is **53.8981, 64.0838, 104.1364**, and **12.9002, 14.7878, 38.2508** is the 20% darker color. If you saturate the color by 10%, you get **26.5625, 30.2969, 72.8552**, and if you desaturate by 10%, it is **32.8455, 37.9400, 73.9993**.

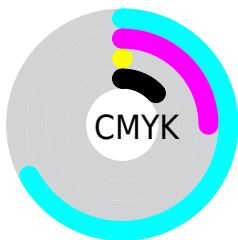
Distribution



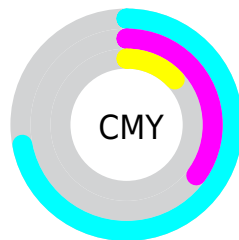
- Red (28%)
- Green (65%)
- Blue (87%)



- Red (28%)
- Yellow (51%)
- Blue (87%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3598, 33.8706, 73.3969 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 29.3598, 33.8706, 73.3969 by changing the saturation by 10% instead.

■ 29.3598, 33.8706,
73.3969

■ 29.3598, 33.8706,
73.3969

290.8725,
319.5547, 491.4969

■ 19.4988, 22.7942,
53.8068

■ 58.0419, 65.7324,
125.7666

■ 12.1374, 14.4416,
38.0551

■ 77.5937, 87.2866,
159.3833

■ 6.9102, 8.4285,
25.7233

■ 101.1064,
113.1022, 198.5126

■ 3.4518, 4.3703,
16.3928

■ 128.9455,
143.5635, 243.5730

■ 1.3970, 1.8828,
9.6452

161.4764,
179.0551, 294.9831

■ 0.2541, 0.5380,
5.0618

199.0642,

■ 0.0000, 0.0000,

219.9612, 353.1614

2.2242

242.0745,
266.6662, 418.5265

■ 0.0000, 0.0000,
0.6883

■ 0.0000, 0.0000,
0.0000

■ 29.3598, 33.8706,
73.3969

■ 29.3598, 33.8706,
73.3969

■ 26.5625, 30.2969,
72.8552

■ 32.8455, 37.9400,
73.9993

■ 24.3813, 27.1774,
72.3681

■ 37.0746, 42.5342,
74.6632

■ 22.7257, 24.4633,
71.9314

■ 42.1004, 47.6836,
75.3923

■ 22.3450, 23.8080,
71.8250

■ 47.9696, 53.4149,
76.1892

■ 54.7255, 59.7526,
77.0564

■ 62.4080, 66.7195,
77.9962

■ 71.0546, 74.3372,
79.0108

■ 80.7005, 82.6260,
80.1024

■ 85.2820, 88.4620,
80.9874

Harmonies

Analogous

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



25.2518, 33.8706, 61.4468



29.3598, 33.8706, 73.3969



34.7071, 33.8706, 73.9681

Triad

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



29.3598, 33.8706, 73.3969



43.3704, 33.8706, 30.2948



25.5451, 33.8706, 19.2814

Complementary

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



29.3598, 33.8706, 73.3969



38.5793, 31.0208, 10.0865

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.



29.8033, 33.8706, 14.8771



29.3598, 33.8706, 73.3969



40.3022, 33.8706, 19.9269

Square

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



29.3598, 33.8706, 73.3969



43.2172, 33.8706, 45.8921



35.2028, 33.8706, 15.0745



23.2237, 33.8706, 29.1313

Rectangle

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



29.3598, 33.8706, 73.3969



38.2961, 33.8706, 67.5721



35.2028, 33.8706, 15.0745



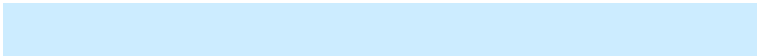
26.7754, 33.8706, 17.2558

Sweetspot

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



29.3610, 33.8718, 73.3977



72.9974, 80.1485, 106.2306



32.3371, 54.6144, 28.7928



15.0515, 16.6192, 22.6645



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.



29.3610, 33.8718, 73.3977



35.3612, 40.0014, 100.4650



19.5406, 14.2310, 70.1243



13.0198, 13.9794, 16.6642



13.0921, 14.0537, 41.7610



0.9295, 1.0731, 2.7326

Inverse Universe

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



39.0201, 22.7613, 38.4143



50.4273, 26.6557, 45.0051



51.9073, 57.6767, 14.5292



13.3999, 13.1891, 15.3670



20.1036, 10.0425, 15.4576



1.3434, 0.6670, 1.2175

Previews

White Background



This preview shows how the XYZ color 29.3598, 33.8706, 73.3969 looks on a white background.

Color Contrast Check

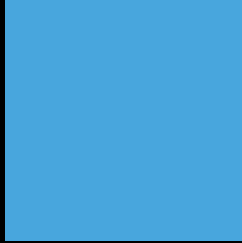
Large Text (above 18pt) WCAG AA × Fail

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 29.3598, 33.8706, 73.3969 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

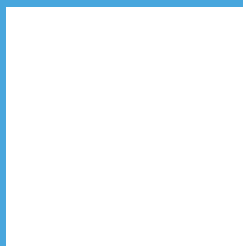
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3598, 33.8706, 73.3969

Background



This preview shows how black text looks on a background with the XYZ color 29.3598, 33.8706, 73.3969.

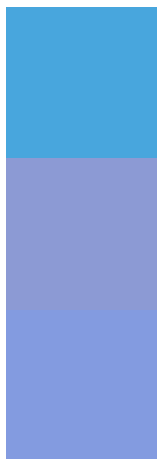


This preview shows how white text looks on a background with the XYZ color 29.3598, 33.8706,

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

29.3598, 33.8706, 73.3969

Protanopia

34.2545, 33.4401, 66.9365

Deuteranopia

34.5360, 33.6498, 75.1958



Tritanopia

24.9807, 33.7540, 51.6529

Trichromacy



Original Color

29.3598, 33.8706, 73.3969

Protanomaly

31.5628, 33.0049, 68.9970

Deuteranomaly

32.1478, 33.4390, 74.5720

Tritanomaly

26.4872, 33.8028, 59.1614

Monochromacy



Original Color

29.3598, 33.8706, 73.3969

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.1458, 29.2866, 43.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3598, 33.8706, 73.3969 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(72, 166, 221)` looks like.

```
.text, #text, p{  
    color:rgb(72, 166, 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(72, 166, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 166, 221) }
```

Border

The CSS property to change the border of an element to XYZ 29.3598, 33.8706, 73.3969 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(72, 166, 221) }
```


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

```
.border{ border-color:rgb(72, 166, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 166, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 166, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 166, 221);  
box-shadow:4px 4px 4px 4px rgb(72, 166,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3598, 33.8706, 73.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 166, 221) }
```

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

```
.background{ background-color: rgb(72, 166,  
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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