

Converting Colors

XYZ(31.8405, 39.6222, 73.1958)

Have a look what the booklet for
XYZ(31.8405, 39.6222, 73.1958)
contains.

XYZ(31.8980, 39.7993, 73.0187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8980, 39.7993,
73.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	44B6DB
RGB	68, 182, 219
RGB Percent	27%, 71%, 86%
CMY	0.7333, 0.2863, 0.1412
CMYK	0.69, 0.17, 0.00, 0.14
HSL	195°, 68%, 56%
HSV	195°, 69%, 86%
XYZ	31.8980, 39.7993, 73.0187
YIQ	152.1320, -79.8210, -12.6610

Conversions

Conversions Part 2

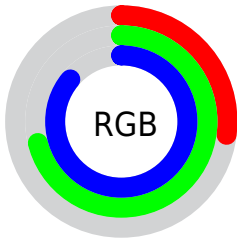
Format	Color
RYB	68, 133, 219
Decimal	4503259
CIELab	69.33, -20.32, -27.95
CIELCh	69, 34.553, 233.978
Yxy	39.7993, 0.2204, 0.2750
Android (android.graphics.Color)	4282693339 (0xFF44B6DB)
YUV	152.1320, 32.9659, -73.7838
Hunter-Lab	63.0867, -20.1482, -24.4636

Details

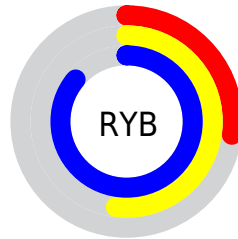
The XYZ color **31.8980, 39.7993, 73.0187** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **35.3098, 25.5824, 8.5471**, and the grayscale version is **29.7904, 31.3418, 34.1313**.

A 20% lighter version of the original color is **58.2974, 73.3556, 105.6942**, and **14.5511, 18.3808, 37.9029** is the 20% darker color. If you saturate the color by 10%, you get **29.5683, 36.9987, 72.6017**, and if you desaturate by 10%, it is **34.8426, 42.9810, 73.4784**.

Distribution



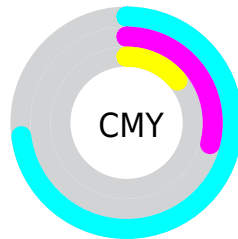
- Red (27%)
- Green (71%)
- Blue (86%)



- Red (27%)
- Yellow (52%)
- Blue (86%)



- Cyan (69%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (73%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8980, 39.7993, 73.0187 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 31.8980, 39.7993, 73.0187 by changing the saturation by 10% instead.

■ 31.8980, 39.7993,
73.0187

■ 31.8980, 39.7993,
73.0187

302.4079,
345.2769, 490.1521

■ 21.4388, 27.3821,
53.4993

■ 62.0174, 74.8578,
125.2249

■ 13.5594, 17.8604,
37.8111

■ 82.4083, 98.2679,
158.7489

■ 7.8945, 10.8498,
25.5354

■ 106.8405,
126.1110, 197.7781

■ 4.0788, 5.9659,
16.2538

■ 135.6793,
158.7717, 242.7311

■ 1.7468, 2.8244,
9.5476

169.2901,
196.6342, 294.0265

■ 0.4853, 1.0407,
4.9984

208.0382,

■ 0.0000, 0.0000,

240.0830, 352.0827

2.1876

252.2890,
289.5024, 417.3185

■ 0.0000, 0.0000,
0.6672

■ 0.0000, 0.0000,
0.0000

■ 31.8980, 39.7993,
73.0187

■ 31.8980, 39.7993,
73.0187

■ 29.5683, 36.9987,
72.6017

■ 34.8426, 42.9810,
73.4784

■ 27.7819, 34.5392,
72.2211

■ 38.4556, 46.5697,
73.9807

■ 26.4339, 32.3668,
71.8728

■ 42.7889, 50.5936,
74.5290

■ 26.3025, 32.1468,
71.8373

■ 47.8878, 55.0767,
75.1256

■ 53.7939, 60.0412,
75.7725

■ 60.5457, 65.5075,
76.4717

■ 68.1792, 71.4947,
77.2251

■ 76.7281, 78.0209,
78.0342

■ 82.4066, 83.1350,
78.7220

Harmonies

Analogous

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



28.8988, 39.7993, 56.9653



31.8980, 39.7993, 73.0187



36.7205, 39.7993, 81.3452

Triad

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



31.8980, 39.7993, 73.0187



49.4523, 39.7993, 46.6177



33.6586, 39.7993, 20.9945

Complementary

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



31.8980, 39.7993, 73.0187



35.3098, 25.5824, 8.5471

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.



38.9576, 39.7993, 19.5094



31.8980, 39.7993, 73.0187



48.4298, 39.7993, 32.0728

Square

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



31.8980, 39.7993, 73.0187



47.1229, 39.7993, 63.8863



44.4509, 39.7993, 23.0331



29.8436, 39.7993, 27.7438

Rectangle

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



31.8980, 39.7993, 73.0187



40.4622, 39.7993, 80.2309



44.4509, 39.7993, 23.0331



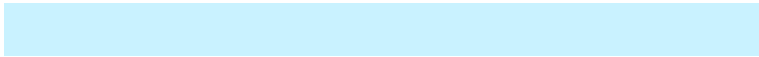
35.3107, 39.7993, 19.9448

Sweetspot

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



31.8993, 39.8007, 73.0197



73.9745, 83.1318, 106.7549



30.1766, 52.8770, 21.5111



15.3271, 17.3702, 22.7949



0.0000, 0.0000, 0.0000



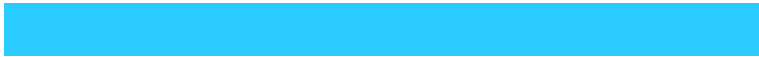
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8993, 39.8007, 73.0197



40.4495, 50.5183, 102.2268



20.5623, 17.1267, 69.2407



13.1605, 14.2608, 16.7111



15.6859, 19.2412, 42.6256



1.0820, 1.3782, 2.7834

Inverse Universe

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



39.7252, 22.5731, 46.5206



52.9126, 27.3317, 59.0729



46.3248, 47.6124, 12.2188



13.4709, 13.2175, 15.7410



21.4129, 10.5662, 22.3519



1.4205, 0.6978, 1.6230

Previews

White Background



This preview shows how the XYZ color 31.8980, 39.7993, 73.0187 looks on a white background.

Color Contrast Check

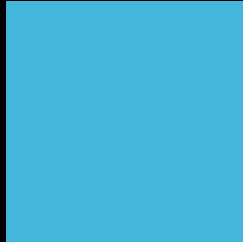
Large Text (above 18pt) WCAG AA × Fail

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 31.8980, 39.7993, 73.0187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

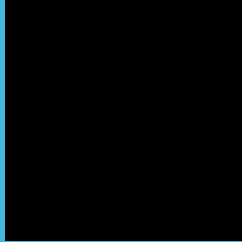
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8980, 39.7993, 73.0187

Background



This preview shows how black text looks on a background with the XYZ color 31.8980, 39.7993, 73.0187.

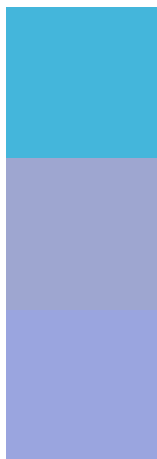


This preview shows how white text looks on a background with the XYZ color 31.8980, 39.7993,

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

31.8980, 39.7993, 73.0187

Protanopia

39.1219, 39.0956, 65.1588

Deuteranopia

40.1008, 39.1080, 75.2471



Tritanopia

29.4052, 39.7088, 60.7583

Trichromacy



Original Color

31.8980, 39.7993, 73.0187

Protanomaly

35.0936, 38.6185, 67.8918

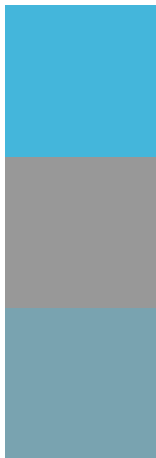
Deuteranomaly

35.9161, 38.6107, 74.6669

Tritanomaly

30.2665, 39.7466, 65.1081

Monochromacy



Original Color

31.8980, 39.7993, 73.0187

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.8188, 33.3939, 46.0011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8980, 39.7993, 73.0187 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(68, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(68, 182, 219)  
}
```

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(68, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 182, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.8980, 39.7993, 73.0187 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(68, 182, 219) }
```


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

```
.border{ border-color:rgb(68, 182, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(68, 182,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8980, 39.7993, 73.0187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 182, 219) }
```

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

```
.background{ background-color: rgb(68, 182,  
219) }
```

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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