

Converting Colors

XYZ(31.8144, 39.7875, 73.2287)

Have a look what the booklet for
XYZ(31.8144, 39.7875, 73.2287)
contains.

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Color

**XYZ(31.7609, 39.7286,
73.0122)**

Conversions

Conversions Part 1

Format	Color
Hex	42B6DB
RGB	66, 182, 219
RGB Percent	26%, 71%, 86%
CMY	0.7411, 0.2863, 0.1412
CMYK	0.70, 0.17, 0.00, 0.14
HSL	195°, 68%, 56%
HSV	195°, 70%, 86%
XYZ	31.7609, 39.7286, 73.0122
YIQ	151.5340, -81.0130, -13.0850

Conversions

Conversions Part 2

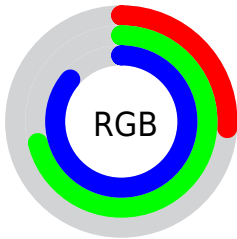
Format	Color
RYB	66, 132, 219
Decimal	4372187
CIELab	69.28, -20.60, -28.03
CIElCh	69, 34.785, 233.683
Yxy	39.7286, 0.2198, 0.2749
Android (android.graphics.Color)	4282562267 (0xFF42B6DB)
YUV	151.5340, 33.2607, -75.0133
Hunter-Lab	63.0306, -20.3581, -24.5578

Details

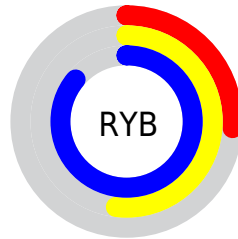
The XYZ color **31.7609, 39.7286, 73.0122** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **35.0485, 25.1559, 8.1641**, and the grayscale version is **29.5326, 31.0706, 33.8359**.

A 20% lighter version of the original color is **58.1403, 73.2746, 105.6868**, and **14.5511, 18.3808, 37.9029** is the 20% darker color. If you saturate the color by 10%, you get **29.4939, 36.9808, 72.6021**, and if you desaturate by 10%, it is **34.6361, 42.8524, 73.4644**.

Distribution



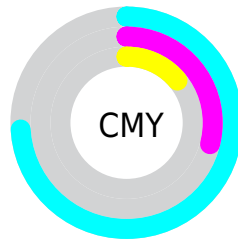
- Red (26%)
- Green (71%)
- Blue (86%)



- Red (26%)
- Yellow (52%)
- Blue (86%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (74%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7609, 39.7286, 73.0122 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 31.7609, 39.7286, 73.0122 by changing the saturation by 10% instead.

■ 31.7609, 39.7286,
73.0122

■ 31.7609, 39.7286,
73.0122

301.7933,
344.9783, 490.1290

■ 21.3336, 27.3270,
53.4941

■ 61.8038, 74.7501,
125.2156

■ 13.4819, 17.8190,
37.8069

■ 82.1501, 98.1387,
158.7380

■ 7.8405, 10.8201,
25.5322

■ 106.5334,
125.9585, 197.7654

■ 4.0440, 5.9460,
16.2514

■ 135.3192,
158.5938, 242.7166

■ 1.7271, 2.8123,
9.5459

168.8727,
196.4291, 294.0100

■ 0.4731, 1.0345,
4.9973

207.5593,

■ 0.0000, 0.0000,

239.8486, 352.0642

2.1870

251.7444,
289.2369, 417.2977

■ 0.0000, 0.0000,
0.6668

■ 0.0000, 0.0000,
0.0000

■ 31.7609, 39.7286,
73.0122

■ 31.7609, 39.7286,
73.0122

■ 29.4939, 36.9808,
72.6021

■ 34.6361, 42.8524,
73.4644

■ 27.7623, 34.5685,
72.2277

■ 38.1737, 46.3784,
73.9585

■ 26.4471, 32.4304,
71.8843

■ 42.4260, 50.3351,
74.4981

■ 26.4296, 32.4011,
71.8796

■ 47.4389, 54.7468,
75.0854

■ 53.2543, 59.6356,
75.7226

■ 59.9109, 65.0221,
76.4114

■ 67.4447, 70.9256,
77.1538

■ 75.8898, 77.3641,
77.9515

■ 82.2309, 82.7838,
78.6634

Harmonies

Analogous

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



28.7695, 39.7286, 56.7996



31.7609, 39.7286, 73.0122



36.5936, 39.7286, 81.5123

Triad

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



31.7609, 39.7286, 73.0122



49.4499, 39.7286, 46.7243



33.6162, 39.7286, 20.7928

Complementary

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



31.7609, 39.7286, 73.0122



35.0485, 25.1559, 8.1641

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.



38.9526, 39.7286, 19.3549



31.7609, 39.7286, 73.0122



48.4538, 39.7286, 32.0599

Square

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



31.7609, 39.7286, 73.0122



47.0743, 39.7286, 64.1080



44.4725, 39.7286, 22.9352



29.7647, 39.7286, 27.5030

Rectangle

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



31.7609, 39.7286, 73.0122



40.3540, 39.7286, 80.4716



44.4725, 39.7286, 22.9352



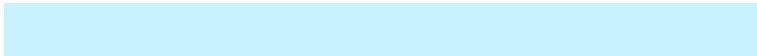
35.2812, 39.7286, 19.7584

Sweetspot

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



31.7622, 39.7300, 73.0132



74.0255, 83.2338, 106.7719



29.9631, 52.7757, 21.1021



15.3394, 17.3947, 22.7990



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.



31.7622, 39.7300, 73.0132



40.3594, 50.4932, 102.2267



20.2714, 16.7485, 69.1829



13.1642, 14.2682, 16.7123



15.7606, 19.3906, 42.6505



1.0863, 1.3868, 2.7849

Inverse Universe

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



39.6063, 22.3353, 46.4810



52.8293, 27.1534, 59.0810



46.1583, 47.3755, 11.8674



13.4727, 13.2182, 15.7507



21.4506, 10.5813, 22.5504



1.4226, 0.6987, 1.6344

Previews

White Background



This preview shows how the XYZ color 31.7609, 39.7286, 73.0122 looks on a white background.

Color Contrast Check

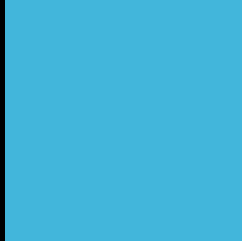
Large Text (above 18pt) WCAG AA × Fail

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 31.7609, 39.7286, 73.0122 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 31.7609, 39.7286, 73.0122

Background



This preview shows how black text looks on a background with the XYZ color 31.7609, 39.7286, 73.0122.

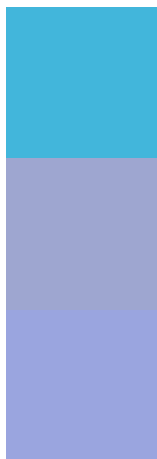


This preview shows how white text looks on a background with the XYZ color 31.7609, 39.7286,

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

31.7609, 39.7286, 73.0122

Protanopia

39.1219, 39.0956, 65.1588

Deuteranopia

40.1008, 39.1080, 75.2471



Tritanopia

29.2956, 39.6523, 60.7532

Trichromacy



Original Color

31.7609, 39.7286, 73.0122

Protanomaly

35.0936, 38.6185, 67.8918

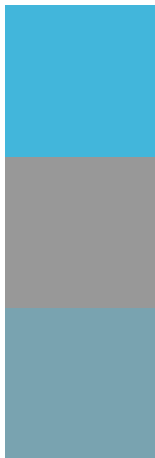
Deuteranomaly

35.7738, 38.5373, 74.6602

Tritanomaly

30.1479, 39.6855, 65.1026

Monochromacy



Original Color

31.7609, 39.7286, 73.0122

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 31.7609, 39.7286, 73.0122 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(66, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 182, 219) }
```

Border

The CSS property to change the border of an element to XYZ 31.7609, 39.7286, 73.0122 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(66, 182, 219) }
```


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

```
.border{ border-color:rgb(66, 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(66, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(66, 182,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7609, 39.7286, 73.0122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 182, 219) }
```

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

```
.background{ background-color: rgb(66, 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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