

Converting Colors

XYZ(31.5475, 39.7789, 82.3966)

Have a look what the booklet for
XYZ(31.5475, 39.7789, 82.3966)
contains.

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Color

**XYZ(31.4990, 39.6932,
82.3453)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7E8
RGB	0, 183, 232
RGB Percent	0%, 72%, 91%
CMY	0.9998, 0.2823, 0.0902
CMYK	1.00, 0.21, 0.00, 0.09
HSL	193°, 100%, 46%
HSV	193°, 100%, 91%
XYZ	31.4990, 39.6932, 82.3453
YIQ	133.8690, -124.7970, -23.5570

Conversions

Conversions Part 2

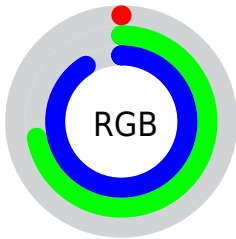
Format	Color
RYB	0, 102, 232
Decimal	47080
CIELab	69.25, -21.45, -35.23
CIELCh	69, 41.249, 238.669
Yxy	39.6932, 0.2052, 0.2585
Android (android.graphics.Color)	4278237160 (0xFF00B7E8)
YUV	133.8690, 48.3786, -117.4031
Hunter-Lab	63.0025, -21.0109, -33.3912

Details

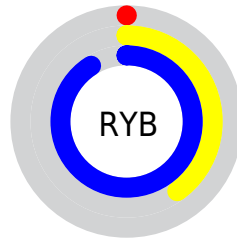
The XYZ color **31.4990, 39.6932, 82.3453** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.3803, 19.3579, 1.9262**, and the grayscale version is **22.4802, 23.6509, 25.7558**.

A 20% lighter version of the original color is **55.1008, 72.1411, 105.6283**, and **15.8191, 19.0999, 43.9272** is the 20% darker color. If you saturate the color by 10%, you get **31.4969, 39.6887, 82.3453**, and if you desaturate by 10%, it is **32.8876, 41.9367, 82.7060**.

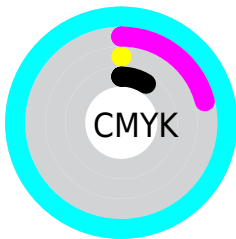
Distribution



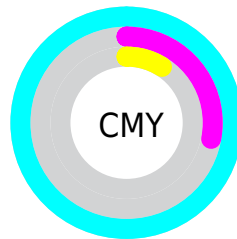
- Red (0%)
- Green (72%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (28%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4990, 39.6932, 82.3453 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 31.4990, 39.6932, 82.3453 by changing the saturation by 10% instead.

31.4990, 39.6932,
82.3453

31.4990, 39.6932,
82.3453

300.6167,
344.8288, 522.7157

21.1328, 27.2994,
61.1127

61.3954, 74.6961,
138.4991

13.3341, 17.7982,
43.8850

81.6562, 98.0740,
174.2575

7.7376, 10.8052,
30.2436

105.9461,
125.8821, 215.6949

3.9779, 5.9360,
19.7699

134.6302,
158.5047, 263.2298

1.6896, 2.8062,
12.0455

168.0739,
196.3263, 317.2808

0.4498, 1.0314,
6.6518

206.6427,

0.0000, 0.0000,

239.7313, 378.2664

3.1702

250.7018,
289.1039, 446.6052

■ 0.0000, 0.0000,
1.1822

■ 0.0000, 0.0000,
0.0000

■ 31.4990, 39.6932,
82.3453

■ 31.4990, 39.6932,
82.3453

■ 31.4969, 39.6887,
82.3453

■ 32.8876, 41.9367,
82.7060

■ 34.7401, 44.4715,
83.0976

■ 37.1941, 47.3697,
83.5277

■ 40.3293, 50.6728,
84.0000

■ 44.2127, 54.4159,
84.5178

■ 48.9031, 58.6299,
85.0840

■ 54.4533, 63.3423,
85.7010

■ 60.9113, 68.5785,
86.3713

■ 68.3216, 74.3618,
87.0970

Harmonies

Analogous

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



27.6417, 39.6932, 63.1314



31.4990, 39.6932, 82.3453



37.4329, 39.6932, 90.7557

Triad

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



31.4990, 39.6932, 82.3453



51.9075, 39.6932, 44.0696



31.9543, 39.6932, 18.5095

Complementary

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



31.4990, 39.6932, 82.3453



34.3803, 19.3579, 1.9262

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.



38.0230, 39.6932, 16.0940



31.4990, 39.6932, 82.3453



50.0086, 39.6932, 28.0074

Square

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



31.4990, 39.6932, 82.3453



49.6534, 39.6932, 65.0342



44.7266, 39.6932, 18.9937



27.8821, 39.6932, 26.9258

Rectangle

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



31.4990, 39.6932, 82.3453



41.9421, 39.6932, 87.6679



44.7266, 39.6932, 18.9937



33.8046, 39.6932, 17.1002

Sweetspot

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



31.5004, 39.6946, 82.3463



67.3444, 78.3829, 106.1877



29.3598, 57.9151, 12.2629



13.7637, 16.2319, 22.6576



0.0000, 0.0000, 0.0000



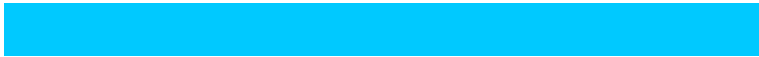
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5004, 39.6946, 82.3463



38.9668, 49.0536, 102.0223



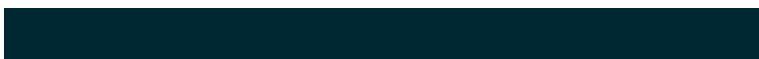
16.7344, 10.1626, 77.4243



14.5354, 15.7923, 18.4264



17.5802, 22.2225, 45.7460



1.3640, 1.7719, 3.4021

Inverse Universe

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



41.8272, 20.5763, 46.5681



51.7978, 25.4831, 57.5268



46.2738, 43.1449, 5.8907



14.8579, 14.5603, 17.4519



23.2672, 11.4411, 26.0997



1.7521, 0.8586, 2.1011

Previews

White Background



This preview shows how the XYZ color 31.4990, 39.6932, 82.3453 looks on a white background.

Color Contrast Check

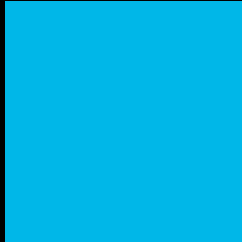
Large Text (above 18pt) WCAG AA × Fail

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 31.4990, 39.6932, 82.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

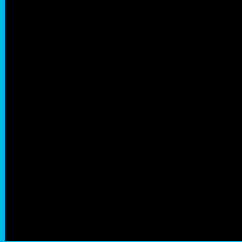
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4990, 39.6932, 82.3453

Background



This preview shows how black text looks on a background with the XYZ color 31.4990, 39.6932, 82.3453.



This preview shows how white text looks on a background with the XYZ color 31.4990, 39.6932,

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

31.4990, 39.6932, 82.3453

Protanopia

39.7488, 39.2569, 72.5002

Deuteranopia

40.2781, 39.2579, 84.8115



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

31.4990, 39.6932, 82.3453



Protanomaly

33.2441, 37.4835, 76.0039



Deuteranomaly

34.1616, 37.7785, 84.0887



Tritanomaly

29.4426, 39.8713, 68.4315

Monochromacy



Original Color

31.4990, 39.6932, 82.3453



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.2302, 27.2900, 42.1261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4990, 39.6932, 82.3453 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(0, 183, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 232)  
}
```

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(0, 183, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 232) }
```

Border

The CSS property to change the border of an element to XYZ 31.4990, 39.6932, 82.3453 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(0, 183, 232) }
```


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

```
.border{ border-color:rgb(0, 183, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4990, 39.6932, 82.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 232) }
```

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

```
.background{ background-color: rgb(0, 183,  
232) }
```

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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