

Converting Colors

XYZ(31.2024, 42.4179, 72.0182)

Have a look what the booklet for
XYZ(31.2024, 42.4179, 72.0182)
contains.

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Color

**XYZ(31.1552, 42.2714,
72.1628)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFD9
RGB	0, 191, 217
RGB Percent	0%, 75%, 85%
CMY	0.9998, 0.2510, 0.1490
CMYK	1.00, 0.12, 0.00, 0.15
HSL	187°, 100%, 43%
HSV	187°, 100%, 85%
XYZ	31.1552, 42.2714, 72.1628
YIQ	136.8550, -122.1820, -32.4060

Conversions

Conversions Part 2

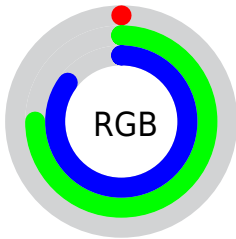
Format	Color
RYB	0, 102, 217
Decimal	49113
CIELab	71.06, -30.50, -24.27
CIELCh	71, 38.982, 218.514
Yxy	42.2714, 0.2140, 0.2903
Android (android.graphics.Color)	4278239193 (0xFF00BFD9)
YUV	136.8550, 39.5115, -120.0218
Hunter-Lab	65.0165, -28.2435, -20.2954

Details

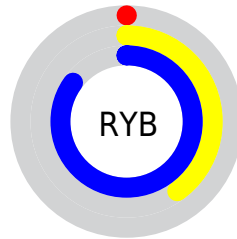
The XYZ color **31.1552, 42.2714, 72.1628** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.9864, 15.4930, 1.4642**, and the grayscale version is **23.6181, 24.8481, 27.0596**.

A 20% lighter version of the original color is **57.5613, 77.4190, 106.5173**, and **15.4672, 20.5000, 37.3241** is the 20% darker color. If you saturate the color by 10%, you get **31.1546, 42.2699, 72.1634**, and if you desaturate by 10%, it is **32.0536, 43.5847, 72.3698**.

Distribution



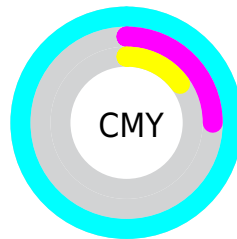
- Red (0%)
- Green (75%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1552, 42.2714, 72.1628 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 31.1552, 42.2714, 72.1628 by changing the saturation by 10% instead.

31.1552, 42.2714,
72.1628

31.1552, 42.2714,
72.1628

299.0668,
355.6068, 487.1008

20.8695, 29.3139,
52.8040

60.8585, 78.6102,
123.9978

13.1405, 19.3184,
37.2597

81.0068, 102.7603,
157.3112

7.6031, 11.9006,
25.1113

105.1733,
131.4100, 196.1131

3.8917, 6.6760,
15.9402

133.7234,
164.9437, 240.8222

1.6410, 3.2603,
9.3279

167.0225,
203.7458, 291.8570

0.4189, 1.2691,
4.8560

205.4358,

0.0000, 0.1171,

248.2008, 349.6360

2.1058

249.3288,
298.6930, 414.5777

■ 0.0000, 0.0000,
0.6192

■ 0.0000, 0.0000,
0.0000

■ 31.1552, 42.2714,
72.1628

■ 31.1552, 42.2714,
72.1628

■ 31.1546, 42.2699,
72.1634

■ 32.0536, 43.5847,
72.3698

■ 33.3258, 45.1050,
72.5962

■ 35.0930, 46.8956,
72.8486

■ 37.4223, 48.9911,
73.1303

■ 40.3704, 51.4208,
73.4439

■ 43.9866, 54.2104,
73.7918

■ 48.3156, 57.3827,
74.1759

■ 53.3980, 60.9589,
74.5984

■ 59.2712, 64.9584,
75.0608

Harmonies

Analogous

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



29.0231, 42.2714, 51.5425



31.1552, 42.2714, 72.1628



35.7639, 42.2714, 88.1077

Triad

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



31.1552, 42.2714, 72.1628



52.9914, 42.2714, 60.4496



38.3522, 42.2714, 18.8907

Complementary

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



31.1552, 42.2714, 72.1628



28.9864, 15.4930, 1.4642

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.



44.9405, 42.2714, 20.0725



31.1552, 42.2714, 72.1628



53.8767, 42.2714, 40.9185

Square

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



31.1552, 42.2714, 72.1628



48.4901, 42.2714, 80.1729



50.7929, 42.2714, 27.1126



32.8741, 42.2714, 23.2832

Rectangle

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



31.1552, 42.2714, 72.1628



39.8540, 42.2714, 91.9865



50.7929, 42.2714, 27.1126



40.5032, 42.2714, 18.6798

Sweetspot

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



31.1566, 42.2729, 72.1638



69.4299, 82.5539, 106.8829



24.9932, 49.6984, 9.2158



14.2679, 17.2403, 22.8257



0.0000, 0.0000, 0.0000



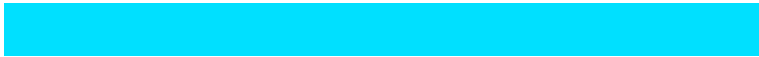
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1566, 42.2729, 72.1638



44.8245, 60.7690, 103.9748



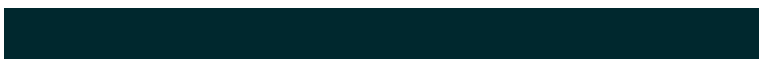
15.6350, 11.2297, 66.9900



13.3048, 14.5493, 16.7592



18.9108, 25.6910, 43.7006



1.2635, 1.7411, 2.8439

Inverse Universe

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



38.0205, 18.5147, 50.8615



54.7545, 26.6658, 73.0965



37.1185, 31.7573, 4.1749



13.5437, 13.2466, 16.1243



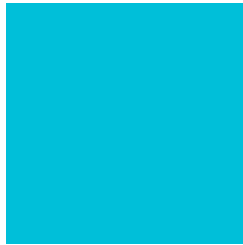
23.0406, 11.2173, 30.9236



1.5120, 0.7345, 2.1054

Previews

White Background



This preview shows how the XYZ color 31.1552, 42.2714, 72.1628 looks on a white background.

Color Contrast Check

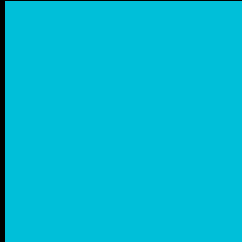
Large Text (above 18pt) WCAG AA × Fail

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 31.1552, 42.2714, 72.1628 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

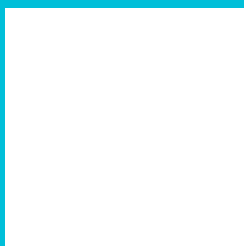
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1552, 42.2714, 72.1628

Background



This preview shows how black text looks on a background with the XYZ color 31.1552, 42.2714, 72.1628.

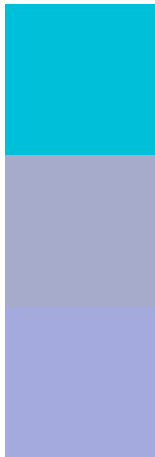


This preview shows how white text looks on a background with the XYZ color 31.1552, 42.2714,

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

31.1552, 42.2714, 72.1628

Protanopia

41.0683, 41.5446, 62.3543

Deuteranopia

42.8694, 41.9159, 74.9384



Tritanopia

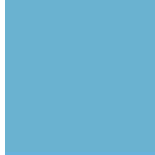
30.1121, 42.2043, 65.5906

Trichromacy



Original Color

31.1552, 42.2714, 72.1628



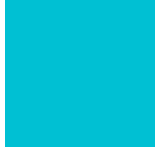
Protanomaly

33.2494, 39.4590, 65.5384



Deuteranomaly

34.5476, 39.9512, 73.6006



Tritanomaly

30.6075, 42.4024, 68.1993

Monochromacy



Original Color

31.1552, 42.2714, 72.1628



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.8704, 28.8934, 40.4480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1552, 42.2714, 72.1628 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, 191, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 217)  
}
```

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, 191, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 217) }
```

Border

The CSS property to change the border of an element to XYZ 31.1552, 42.2714, 72.1628 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, 191, 217) }
```


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

```
.border{ border-color:rgb(0, 191, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1552, 42.2714, 72.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 217) }
```

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

```
.background{ background-color: rgb(0, 191,  
217) }
```

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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