

Converting Colors

XYZ(24.9486, 39.6150, 71.7622)

Have a look what the booklet for
XYZ(24.9486, 39.6150, 71.7622)
contains.

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Color

**XYZ(31.5943, 43.1497,
72.3092)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1D9
RGB	0, 193, 217
RGB Percent	0%, 76%, 85%
CMY	0.9998, 0.2431, 0.1490
CMYK	1.00, 0.11, 0.00, 0.15
HSL	187°, 100%, 43%
HSV	187°, 100%, 85%
XYZ	31.5943, 43.1497, 72.3092
YIQ	138.0290, -122.7320, -33.4520

Conversions

Conversions Part 2

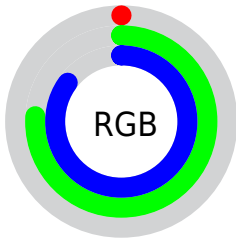
Format	Color
R _{YB}	0, 102, 217
Decimal	49625
CIE _{Lab}	71.66, -31.47, -23.36
CIE _{LCh}	72, 39.193, 216.586
Yxy	43.1497, 0.2148, 0.2934
Android (android.graphics.Color)	4278239705 (0xFF00C1D9)
YUV	138.0290, 38.9327, -121.0514
Hunter-Lab	65.6884, -29.1012, -19.2840

Details

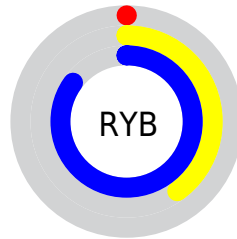
The XYZ color **31.5943, 43.1497, 72.3092** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.9435, 15.4071, 1.4497**, and the grayscale version is **24.0641, 25.3173, 27.5705**.

A 20% lighter version of the original color is **58.2990, 78.7170, 106.7290**, and **15.7542, 21.0739, 37.4197** is the 20% darker color. If you saturate the color by 10%, you get **31.5940, 43.1487, 72.3099**, and if you desaturate by 10%, it is **32.4554, 44.3886, 72.5038**.

Distribution



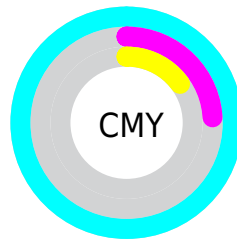
- Red (0%)
- Green (76%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5943, 43.1497, 72.3092 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 31.5943, 43.1497, 72.3092 by changing the saturation by 10% instead.

31.5943, 43.1497,
72.3092

31.5943, 43.1497,
72.3092

301.0452,
359.2270, 487.6235

21.2059, 30.0026,
52.9229

61.5440, 79.9367,
124.2078

13.3879, 19.8406,
37.3539

81.8360, 104.3454,
157.5573

7.7750, 12.2792,
25.1837

106.1599,
133.2768, 196.3982

4.0019, 6.9341,
15.9937

134.8811,
167.1151, 241.1491

1.7032, 3.4209,
9.3654

168.3648,
206.2450, 292.2285

0.4583, 1.3552,
4.8802

206.9765,

0.0000, 0.1834,

251.0506, 350.0551

2.1196

251.0815,
301.9165, 415.0472

■ 0.0000, 0.0000,
0.6274

■ 0.0000, 0.0000,
0.0000

■ 31.5943, 43.1497,
72.3092

■ 31.5943, 43.1497,
72.3092

■ 31.5940, 43.1487,
72.3099

■ 32.4554, 44.3886,
72.5038

■ 33.6888, 45.8315,
72.7173

■ 35.4158, 47.5417,
72.9564

■ 37.7033, 49.5538,
73.2242

■ 40.6080, 51.8972,
73.5234

■ 44.1795, 54.5973,
73.8563

■ 48.4621, 57.6772,
74.2251

■ 53.4965, 61.1579,
74.6316

■ 59.3203, 65.0587,
75.0776

Harmonies

Analogous

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



29.5955, 43.1497, 51.3007



31.5943, 43.1497, 72.3092



36.1470, 43.1497, 89.1398

Triad

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



31.5943, 43.1497, 72.3092



53.8746, 43.1497, 63.0557



39.5661, 43.1497, 19.2231

Complementary

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



31.5943, 43.1497, 72.3092



28.9435, 15.4071, 1.4497

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.



46.2961, 43.1497, 20.7897



31.5943, 43.1497, 72.3092



55.0424, 43.1497, 42.9140

Square

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



31.5943, 43.1497, 72.3092



49.0994, 43.1497, 82.8682



52.1379, 43.1497, 28.3908



33.8662, 43.1497, 23.3203

Rectangle

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



31.5943, 43.1497, 72.3092



40.2571, 43.1497, 93.7297



52.1379, 43.1497, 28.3908



41.7773, 43.1497, 19.1261

Sweetspot

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



31.5957, 43.1512, 72.3103



69.6447, 82.9835, 106.9545



24.9561, 49.6836, 9.0206



14.3200, 17.3445, 22.8430



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.



31.5957, 43.1512, 72.3103



45.4625, 62.0451, 104.1875



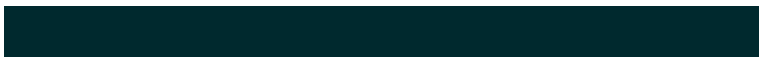
15.9194, 11.7987, 67.0848



13.3155, 14.5707, 16.7628



19.1734, 26.2163, 43.7881



1.2780, 1.7701, 2.8488

Inverse Universe

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



38.2421, 18.6033, 52.0289



55.0766, 26.7946, 74.7924



36.6277, 30.7757, 4.0111



13.5491, 13.2487, 16.1528



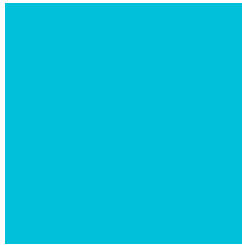
23.1732, 11.2703, 31.6217



1.5194, 0.7374, 2.1439

Previews

White Background



This preview shows how the XYZ color 31.5943, 43.1497, 72.3092 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 31.5943, 43.1497, 72.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

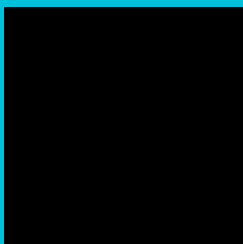
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

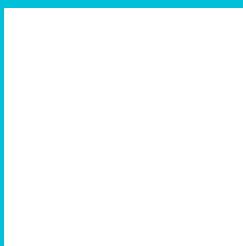
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5943, 43.1497, 72.3092

Background



This preview shows how black text looks on a background with the XYZ color 31.5943, 43.1497, 72.3092.



This preview shows how white text looks on a background with the XYZ color 31.5943, 43.1497,

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

31.5943, 43.1497, 72.3092

Protanopia

42.0852, 42.6340, 62.5110

Deuteranopia

43.4736, 42.5067, 75.0206

Trichromacy



Original Color

31.5943, 43.1497, 72.3092

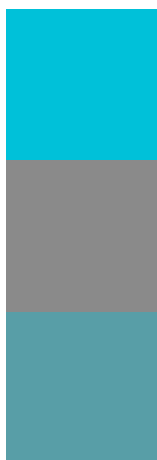
Protanomaly

33.8908, 40.3847, 65.6833

Deuteranomaly

34.9822, 40.4717, 73.6782

Monochromacy



Original Color

31.5943, 43.1497, 72.3092

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2264, 29.3184, 40.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5943, 43.1497, 72.3092 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, 193, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 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, 193, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 217) }
```

Border

The CSS property to change the border of an element to XYZ 31.5943, 43.1497, 72.3092 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, 193, 217) }
```

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

```
.border{ border-color:rgb(0, 193, 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, 193, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
217) }
```


Background

The CSS property to change the background color of an element to XYZ 31.5943, 43.1497, 72.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 217) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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