

Converting Colors

XYZ(30.2571, 41.5930, 72.7502)

Have a look what the booklet for
XYZ(30.2571, 41.5930, 72.7502)
contains.

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Color

**XYZ(31.0683, 41.8889,
72.7776)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEDA
RGB	0, 190, 218
RGB Percent	0%, 75%, 85%
CMY	0.9998, 0.2549, 0.1451
CMYK	1.00, 0.13, 0.00, 0.15
HSL	188°, 100%, 43%
HSV	188°, 100%, 85%
XYZ	31.0683, 41.8889, 72.7776
YIQ	136.3820, -122.2280, -31.5720

Conversions

Conversions Part 2

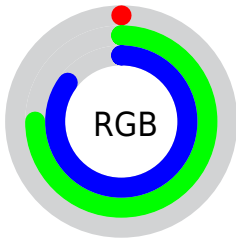
Format	Color
RYB	0, 102, 218
Decimal	48858
CIELab	70.79, -29.69, -25.22
CIELCh	71, 38.955, 220.352
Yxy	41.8889, 0.2132, 0.2874
Android (android.graphics.Color)	4278238938 (0xFF00BEDA)
YUV	136.3820, 40.2377, -119.6070
Hunter-Lab	64.7216, -27.5776, -21.3647

Details

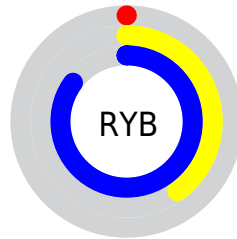
The XYZ color **31.0683, 41.8889, 72.7776** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.3304, 15.7384, 1.4933**, and the grayscale version is **23.4372, 24.6578, 26.8523**.

A 20% lighter version of the original color is **57.3742, 76.8673, 106.4207**, and **15.4150, 20.2527, 37.7470** is the 20% darker color. If you saturate the color by 10%, you get **31.0678, 41.8875, 72.7782**, and if you desaturate by 10%, it is **32.0090, 43.2838, 72.9981**.

Distribution



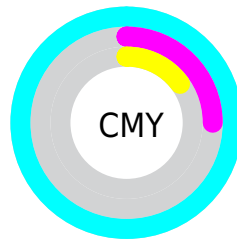
- Red (0%)
- Green (75%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0683, 41.8889, 72.7776 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 31.0683, 41.8889, 72.7776 by changing the saturation by 10% instead.

■ 31.0683, 41.8889,
72.7776

■ 31.0683, 41.8889,
72.7776

■ 298.6741,
354.0222, 489.2937

■ 20.8029, 29.0143,
53.3034

■ 60.7227, 78.0315,
124.8794

■ 13.0917, 19.0916,
37.6557

■ 80.8424, 102.0682,
158.3441

■ 7.5691, 11.7365,
25.4158

■ 104.9777,
130.5945, 197.3094

■ 3.8700, 6.5645,
16.1653

■ 133.4938,
163.9946, 242.1939

■ 1.6288, 3.1913,
9.4856

■ 166.7562,
202.6531, 293.4160

■ 0.4111, 1.2324,
4.9581

205.1301,

■ 0.0000, 0.0879,

246.9542, 351.3943

2.1644

248.9810,
297.2825, 416.5474

■ 0.0000, 0.0000,
0.6537

■ 0.0000, 0.0000,
0.0000

■ 31.0683, 41.8889,
72.7776

■ 31.0683, 41.8889,
72.7776

■ 31.0678, 41.8875,
72.7782

■ 32.0090, 43.2838,
72.9981

■ 33.3293, 44.8909,
73.2387

■ 35.1513, 46.7743,
73.5062

■ 37.5430, 48.9689,
73.8037

■ 40.5615, 51.5043,
74.1340

■ 44.2571, 54.4065,
74.4994

■ 48.6748, 57.6988,
74.9021

■ 53.8556, 61.4025,
75.3439

■ 59.8375, 65.5372,
75.8267

Harmonies

Analogous

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



28.7900, 41.8889, 52.3142



31.0683, 41.8889, 72.7776



35.7769, 41.8889, 88.0504

Triad

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



31.0683, 41.8889, 72.7776



52.7131, 41.8889, 58.6654



37.6209, 41.8889, 18.7777

Complementary

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



31.0683, 41.8889, 72.7776



29.3304, 15.7384, 1.4933

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.



44.1442, 41.8889, 19.6169



31.0683, 41.8889, 72.7776



53.3447, 41.8889, 39.5043

Square

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



31.0683, 41.8889, 72.7776



48.4219, 41.8889, 78.4954



50.0642, 41.8889, 26.2163



32.2922, 41.8889, 23.4943

Rectangle

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



31.0683, 41.8889, 72.7776



39.8905, 41.8889, 91.3040



50.0642, 41.8889, 26.2163



39.7379, 41.8889, 18.4591

Sweetspot

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



31.0697, 41.8904, 72.7786



69.2297, 82.1536, 106.8162



25.2529, 50.2160, 9.3085



14.2194, 17.1433, 22.8095



0.0000, 0.0000, 0.0000



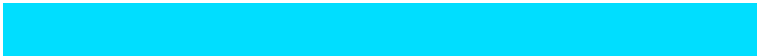
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0697, 41.8904, 72.7786



44.2358, 59.5915, 103.7786



15.7947, 11.3404, 67.6870



13.2947, 14.5292, 16.7559



18.6683, 25.2061, 43.6197



1.2501, 1.7143, 2.8395

Inverse Universe

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



38.2089, 18.6244, 50.2978



54.4574, 26.5469, 71.5317



37.5018, 32.0811, 4.2170



13.5386, 13.2446, 16.0977



22.9182, 11.1683, 30.2792



1.5053, 0.7317, 2.0697

Previews

White Background



This preview shows how the XYZ color 31.0683, 41.8889, 72.7776 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 31.0683, 41.8889, 72.7776 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

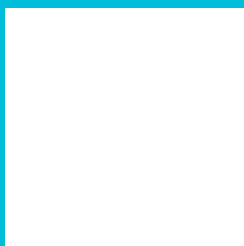
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0683, 41.8889, 72.7776

Background



This preview shows how black text looks on a background with the XYZ color 31.0683, 41.8889, 72.7776.



This preview shows how white text looks on a background with the XYZ color 31.0683, 41.8889,

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

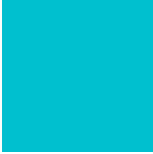
31.0683, 41.8889, 72.7776

Protanopia

40.7909, 41.1084, 62.9115

Deuteranopia

42.4075, 41.3850, 75.5650



Tritanopia

29.8933, 41.7666, 65.5177

Trichromacy



Original Color

31.0683, 41.8889, 72.7776

Protanomaly

33.0565, 39.0510, 66.1169

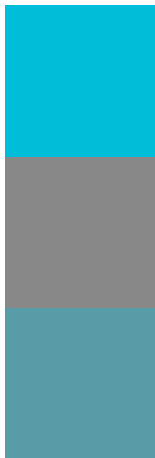
Deuteranomaly

34.3668, 39.5483, 74.2289

Tritanomaly

30.3887, 41.9648, 68.1264

Monochromacy



Original Color

31.0683, 41.8889, 72.7776

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.7019, 28.5563, 40.3918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0683, 41.8889, 72.7776 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, 190, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 218)  
}
```

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, 190, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 218) }
```

Border

The CSS property to change the border of an element to XYZ 31.0683, 41.8889, 72.7776 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, 190, 218) }
```


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

```
.border{ border-color:rgb(0, 190, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0683, 41.8889, 72.7776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 218) }
```

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

```
.background{ background-color: rgb(0, 190,  
218) }
```

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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