

Converting Colors

XYZ(29.5217, 38.5223, 73.1047)

Have a look what the booklet for
XYZ(29.5217, 38.5223, 73.1047)
contains.

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Color

**XYZ(29.5141, 38.5704,
72.9071)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6DB
RGB	0, 182, 219
RGB Percent	0%, 71%, 86%
CMY	0.9998, 0.2863, 0.1412
CMYK	1.00, 0.17, 0.00, 0.14
HSL	190°, 100%, 43%
HSV	190°, 100%, 86%
XYZ	29.5141, 38.5704, 72.9071
YIQ	131.8000, -120.3490, -27.0770

Conversions

Conversions Part 2

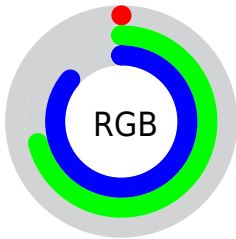
Format	Color
RYB	0, 99, 219
Decimal	46811
CIELab	68.44, -25.38, -29.39
CIELCh	68, 38.827, 229.188
Yxy	38.5704, 0.2093, 0.2736
Android (android.graphics.Color)	4278236891 (0xFF00B6DB)
YUV	131.8000, 42.9896, -115.5886
Hunter-Lab	62.1051, -23.8556, -26.1288

Details

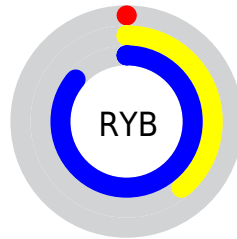
The XYZ color **29.5141, 38.5704, 72.9071** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.8771, 16.3865, 1.5896**, and the grayscale version is **21.7471, 22.8797, 24.9160**.

A 20% lighter version of the original color is **54.5684, 71.4332, 105.5197**, and **14.5511, 18.3808, 37.9029** is the 20% darker color. If you saturate the color by 10%, you get **29.5131, 38.5680, 72.9075**, and if you desaturate by 10%, it is **30.6125, 40.2774, 73.1795**.

Distribution



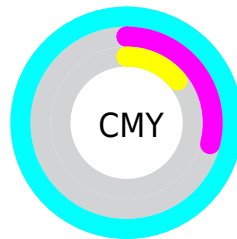
- Red (0%)
- Green (71%)
- Blue (86%)



- Red (0%)
- Yellow (39%)
- Blue (86%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5141, 38.5704, 72.9071 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 29.5141, 38.5704, 72.9071 by changing the saturation by 10% instead.

■ 29.5141, 38.5704,
72.9071

■ 29.5141, 38.5704,
72.9071

291.5836,
340.0605, 489.7549

■ 19.6163, 26.4257,
53.4086

■ 58.2848, 72.9816,
125.0650

■ 12.2231, 17.1424,
37.7391

■ 77.8885, 96.0168,
158.5615

■ 6.9691, 10.3361,
25.4800

■ 101.4581,
123.4511, 197.5612

■ 3.4889, 5.6223,
16.2128

■ 129.3591,
155.6686, 242.4825

■ 1.4173, 2.6168,
9.5189

■ 161.9568,
193.0540, 293.7440

■ 0.2685, 0.9351,
4.9797

199.6165,

■ 0.0000, 0.0000,

235.9915, 351.7642

2.1768

242.7037,
284.8656, 416.9616

■ 0.0000, 0.0000,
0.6610

■ 0.0000, 0.0000,
0.0000

■ 29.5141, 38.5704,
72.9071

■ 29.5141, 38.5704,
72.9071

■ 29.5131, 38.5680,
72.9075

■ 30.6125, 40.2774,
73.1795

■ 32.1032, 42.2159,
73.4751

■ 34.1093, 44.4503,
73.8006

■ 36.6998, 47.0163,
74.1594

■ 39.9325, 49.9440,
74.5541

■ 43.8582, 53.2599,
74.9872

■ 48.5226, 56.9875,
75.4609

■ 53.9673, 61.1487,
75.9771

■ 60.2308, 65.7634,
76.5377

Harmonies

Analogous

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



26.6581, 38.5704, 54.0369



29.5141, 38.5704, 72.9071



34.5030, 38.5704, 84.4026

Triad

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



29.5141, 38.5704, 72.9071



49.4341, 38.5704, 48.6201



32.9374, 38.5704, 17.5843

Complementary

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



29.5141, 38.5704, 72.9071



29.8771, 16.3865, 1.5896

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.



38.9051, 38.5704, 16.8828



29.5141, 38.5704, 72.9071



48.8947, 38.5704, 31.8925

Square

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



29.5141, 38.5704, 72.9071



46.2763, 38.5704, 68.0079



44.8752, 38.5704, 21.3531



28.4777, 38.5704, 23.6412

Rectangle

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



29.5141, 38.5704, 72.9071



38.5656, 38.5704, 84.6661



44.8752, 38.5704, 21.3531



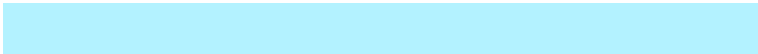
34.8183, 38.5704, 16.7930

Sweetspot

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



29.5154, 38.5718, 72.9081



68.2989, 80.2919, 106.5059



25.6592, 50.7946, 10.1647



13.9941, 16.6927, 22.7344



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.



29.5154, 38.5718, 72.9081



41.5710, 54.2619, 102.8903



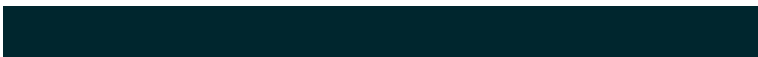
15.1717, 9.8843, 68.1268



13.2479, 14.4355, 16.7402



17.5698, 23.0091, 43.2536



1.1889, 1.5919, 2.8191

Inverse Universe

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



37.6580, 18.4388, 45.8315



53.1123, 26.0089, 64.4487



39.4955, 35.6234, 4.7958



13.5150, 13.2351, 15.9731



22.3638, 10.9465, 27.3593



1.4744, 0.7194, 1.9071

Previews

White Background



This preview shows how the XYZ color 29.5141, 38.5704, 72.9071 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 29.5141, 38.5704, 72.9071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

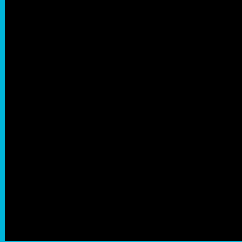
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5141, 38.5704, 72.9071

Background



This preview shows how black text looks on a background with the XYZ color 29.5141, 38.5704, 72.9071.

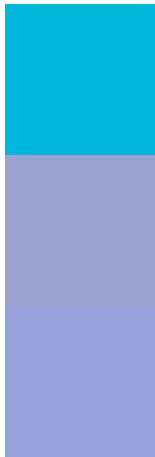


This preview shows how white text looks on a background with the XYZ color 29.5141, 38.5704,

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

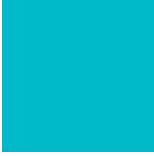
29.5141, 38.5704, 72.9071

Protanopia

38.1263, 38.0751, 63.7323

Deuteranopia

38.9942, 38.0061, 75.0927



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



Original Color

29.5141, 38.5704, 72.9071



Protanomaly

31.4664, 36.4816, 67.0112



Deuteranomaly

32.2789, 36.4563, 74.4427



Tritanomaly

28.0741, 38.3232, 64.3100

Monochromacy



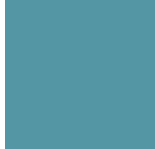
Original Color

29.5141, 38.5704, 72.9071



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.2633, 26.3778, 39.0927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5141, 38.5704, 72.9071 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, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 219) }
```

Border

The CSS property to change the border of an element to XYZ 29.5141, 38.5704, 72.9071 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, 182, 219) }
```


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

```
.border{ border-color:rgb(0, 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(0, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5141, 38.5704, 72.9071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 219) }
```

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

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