

Converting Colors

XYZ(28.7981, 37.6091, 71.2167)

Have a look what the booklet for
XYZ(28.7981, 37.6091, 71.2167)
contains.

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Color

**XYZ(28.8456, 37.6523,
71.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4D9
RGB	0, 180, 217
RGB Percent	0%, 71%, 85%
CMY	0.9998, 0.2941, 0.1490
CMYK	1.00, 0.17, 0.00, 0.15
HSL	190°, 100%, 43%
HSV	190°, 100%, 85%
XYZ	28.8456, 37.6523, 71.3929
YIQ	130.3980, -119.1570, -26.6530

Conversions

Conversions Part 2

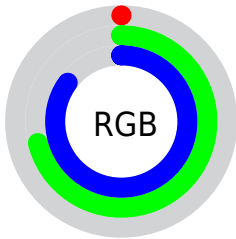
Format	Color
RYB	0, 98, 217
Decimal	46297
CIELab	67.76, -25.04, -29.33
CIELCh	68, 38.567, 229.511
Yxy	37.6523, 0.2092, 0.2731
Android (android.graphics.Color)	4278236377 (0xFF00B4D9)
YUV	130.3980, 42.6948, -114.3590
Hunter-Lab	61.3615, -23.4710, -26.0298

Details

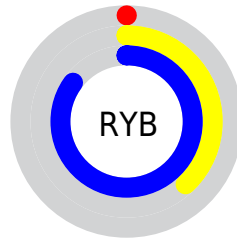
The XYZ color **28.8456, 37.6523, 71.3929** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.2788, 16.0780, 1.5616**, and the grayscale version is **21.2481, 22.3547, 24.3443**.

A 20% lighter version of the original color is **53.8712, 70.2142, 105.3211**, and **14.1110, 17.7874, 36.8720** is the 20% darker color. If you saturate the color by 10%, you get **28.8446, 37.6501, 71.3933**, and if you desaturate by 10%, it is **29.9287, 39.3353, 71.6614**.

Distribution



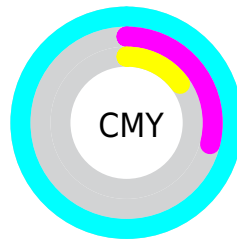
- Red (0%)
- Green (71%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8456, 37.6523, 71.3929 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 28.8456, 37.6523, 71.3929 by changing the saturation by 10% instead.

■ 28.8456, 37.6523,
71.3929

■ 28.8456, 37.6523,
71.3929

288.4931,
336.1261, 484.3464

■ 19.1077, 25.7129,
52.1791

■ 57.2309, 71.5749,
122.8927

■ 11.8526, 16.6090,
36.7646

■ 76.6091, 94.3269,
156.0157

■ 6.7149, 9.9561,
24.7309

■ 99.9315, 121.4519,
194.6123

■ 3.3292, 5.3699,
15.6595

■ 127.5634,
153.3344, 239.1009

■ 1.3301, 2.4659,
9.1318

■ 159.8701,
190.3586, 289.9000

■ 0.2056, 0.8595,
4.7293

197.2171,

■ 0.0000, 0.0000,

232.9090, 347.4283

2.0334

239.9696,
281.3701, 412.1042

■ 0.0000, 0.0000,
0.5757

■ 0.0000, 0.0000,
0.0000

■ 28.8456, 37.6523,
71.3929

■ 28.8456, 37.6523,
71.3929

■ 28.8446, 37.6501,
71.3933

■ 29.9287, 39.3353,
71.6614

■ 31.3958, 41.2453,
71.9528

■ 33.3679, 43.4458,
72.2736

■ 35.9123, 45.9717,
72.6270

■ 39.0856, 48.8522,
73.0157

■ 42.9375, 52.1133,
73.4422

■ 47.5126, 55.7781,
73.9084

■ 52.8517, 59.8679,
74.4164

■ 58.9922, 64.4022,
74.9680

Harmonies

Analogous

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



26.0295, 37.6523, 52.9743



28.8456, 37.6523, 71.3929



33.7401, 37.6523, 82.5150

Triad

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



28.8456, 37.6523, 71.3929



48.2899, 37.6523, 47.2712



32.0921, 37.6523, 17.1775

Complementary

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



28.8456, 37.6523, 71.3929



29.2788, 16.0780, 1.5616

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.



37.9159, 37.6523, 16.4395



28.8456, 37.6523, 71.3929



47.7220, 37.6523, 30.9764

Square

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



28.8456, 37.6523, 71.3929



45.2372, 37.6523, 66.2340



43.7621, 37.6523, 20.7475



27.7547, 37.6523, 23.1553

Rectangle

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



28.8456, 37.6523, 71.3929



37.7161, 37.6523, 82.6701



43.7621, 37.6523, 20.7475



33.9256, 37.6523, 16.3867

Sweetspot

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



28.8469, 37.6536, 71.3938



68.2635, 80.2211, 106.4941



25.1353, 49.7552, 9.9646



13.9856, 16.6756, 22.7315



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.



28.8469, 37.6536, 71.3938



41.4720, 54.0639, 102.8573



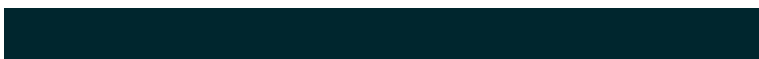
14.8662, 9.6922, 66.7336



13.2461, 14.4319, 16.7396



17.5290, 22.9274, 43.2400



1.1866, 1.5873, 2.8183

Inverse Universe

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



36.8546, 18.0483, 44.7225



53.0623, 25.9889, 64.1855



38.6929, 34.9061, 4.6996



13.5141, 13.2347, 15.9684



22.3431, 10.9383, 27.2507



1.4732, 0.7189, 1.9010

Previews

White Background



This preview shows how the XYZ color 28.8456, 37.6523, 71.3929 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 28.8456, 37.6523, 71.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

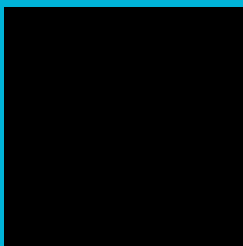
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

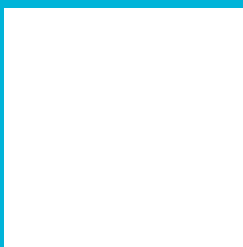
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8456, 37.6523, 71.3929

Background



This preview shows how black text looks on a background with the XYZ color 28.8456, 37.6523, 71.3929.



This preview shows how white text looks on a background with the XYZ color 28.8456, 37.6523,

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

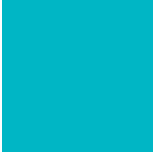
28.8456, 37.6523, 71.3929

Protanopia

37.1458, 37.0703, 62.3242

Deuteranopia

38.1842, 37.3570, 73.6047



Tritanopia

26.8060, 37.4871, 58.6462

Trichromacy



Original Color

28.8456, 37.6523, 71.3929



Protanomaly

30.7336, 35.5761, 65.5686



Deuteranomaly

31.7223, 35.9229, 72.9720



Tritanomaly

27.4230, 37.4074, 62.9017

Monochromacy



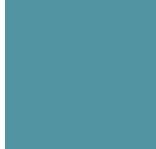
Original Color

28.8456, 37.6523, 71.3929



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.6788, 25.6274, 38.0391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8456, 37.6523, 71.3929 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, 180, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 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, 180, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 217) }
```

Border

The CSS property to change the border of an element to XYZ 28.8456, 37.6523, 71.3929 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, 180, 217) }
```


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

```
.border{ border-color:rgb(0, 180, 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, 180, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8456, 37.6523, 71.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 217) }
```

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

```
.background{ background-color: rgb(0, 180,  
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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