

Converting Colors

XYZ(16.2246, 30.7809, 68.4328)

Have a look what the booklet for
XYZ(16.2246, 30.7809, 68.4328)
contains.

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Color

**XYZ(28.2577, 37.0952,
69.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	00B3D6
RGB	0, 179, 214
RGB Percent	0%, 70%, 84%
CMY	0.9998, 0.2980, 0.1608
CMYK	1.00, 0.16, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	28.2577, 37.0952, 69.2891
YIQ	129.4690, -117.9190, -27.0630

Conversions

Conversions Part 2

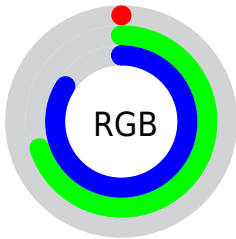
Format	Color
RYB	0, 97, 214
Decimal	46038
CIELab	67.35, -25.55, -28.32
CIELCh	67, 38.145, 227.947
Yxy	37.0952, 0.2099, 0.2755
Android (android.graphics.Color)	4278236118 (0xFF00B3D6)
YUV	129.4690, 41.6738, -113.5443
Hunter-Lab	60.9058, -23.7688, -24.8168

Details

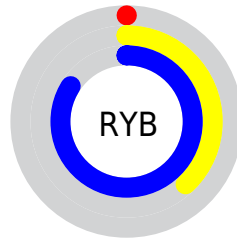
The XYZ color **28.2577, 37.0952, 69.2891** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.3347, 15.5016, 1.5002**, and the grayscale version is **20.9246, 22.0143, 23.9736**.

A 20% lighter version of the original color is **53.4673, 69.5797, 105.2199**, and **13.7189, 17.4249, 35.4412** is the 20% darker color. If you saturate the color by 10%, you get **28.2565, 37.0927, 69.2894**, and if you desaturate by 10%, it is **29.2878, 38.6818, 69.5418**.

Distribution



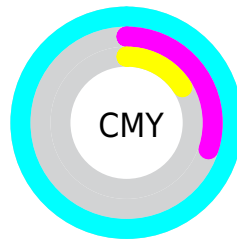
- Red (0%)
- Green (70%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2577, 37.0952, 69.2891 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 28.2577, 37.0952, 69.2891 by changing the saturation by 10% instead.

■ 28.2577, 37.0952,
69.2891

■ 28.2577, 37.0952,
69.2891

285.7541,
333.7225, 476.7715

■ 18.6615, 25.2812,
50.4740

■ 56.3014, 70.7192,
119.8660

■ 11.5285, 16.2867,
35.4163

■ 75.4795, 93.2980,
152.4648

■ 6.4934, 9.7272,
23.6976

■ 98.5823, 120.2338,
190.4953

■ 3.1908, 5.2185,
14.8994

■ 125.9752,
151.9111, 234.3760

■ 1.2555, 2.3760,
8.6029

■ 158.0234,
188.7142, 284.5254

■ 0.1495, 0.8135,
4.3899

195.0924,

■ 0.0000, 0.0000,

231.0275, 341.3621

1.8416

237.5475,
279.2355, 405.3046

■ 0.0000, 0.0000,
0.4552

■ 0.0000, 0.0000,
0.0000

■ 28.2577, 37.0952,
69.2891

■ 28.2577, 37.0952,
69.2891

■ 28.2565, 37.0927,
69.2894

■ 29.2878, 38.6818,
69.5418

■ 30.6876, 40.4849,
69.8160

■ 32.5749, 42.5662,
70.1183

■ 35.0148, 44.9594,
70.4516

■ 38.0619, 47.6928,
70.8186

■ 41.7641, 50.7913,
71.2216

■ 46.1646, 54.2773,
71.6625

■ 51.3026, 58.1713,
72.1433

■ 57.2145, 62.4921,
72.6657

Harmonies

Analogous

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



25.6166, 37.0952, 51.1339



28.2577, 37.0952, 69.2891



32.9643, 37.0952, 80.7168

Triad

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



28.2577, 37.0952, 69.2891



47.4208, 37.0952, 47.4858



31.9093, 37.0952, 16.8682

Complementary

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



28.2577, 37.0952, 69.2891



28.3347, 15.5016, 1.5002

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.



37.6554, 37.0952, 16.3945



28.2577, 37.0952, 69.2891



47.0576, 37.0952, 31.2681

Square

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



28.2577, 37.0952, 69.2891



44.2716, 37.0952, 65.9916



43.3280, 37.0952, 20.9059



27.5590, 37.0952, 22.4500

Rectangle

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



28.2577, 37.0952, 69.2891



36.8335, 37.0952, 81.3534



43.3280, 37.0952, 20.9059



33.7278, 37.0952, 16.1761

Sweetspot

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



28.2589, 37.0965, 69.2900



68.4219, 80.5380, 106.5469



24.3102, 48.1991, 9.3990



14.0239, 16.7522, 22.7443



0.0000, 0.0000, 0.0000



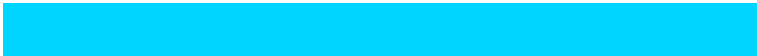
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2589, 37.0965, 69.2900



41.9161, 54.9522, 103.0054



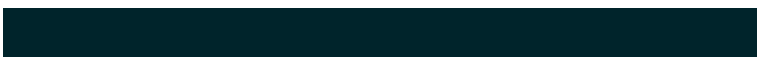
14.6501, 9.8788, 64.7537



12.6112, 13.7458, 15.9260



17.1440, 22.5498, 41.9021



1.0812, 1.4545, 2.5431

Inverse Universe

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



35.8694, 17.5522, 44.1464



53.2865, 26.0786, 65.3661



36.9821, 32.7963, 4.3827



12.8617, 12.5962, 15.2120



21.7124, 10.6213, 26.8531



1.3334, 0.6501, 1.7451

Previews

White Background



This preview shows how the XYZ color 28.2577, 37.0952, 69.2891 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 28.2577, 37.0952, 69.2891 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 28.2577, 37.0952, 69.2891

Background



This preview shows how black text looks on a background with the XYZ color 28.2577, 37.0952, 69.2891.



This preview shows how white text looks on a background with the XYZ color 28.2577, 37.0952,

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

28.2577, 37.0952, 69.2891

Protanopia

36.6139, 36.5768, 60.3886

Deuteranopia

37.6125, 36.8476, 71.4596



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

28.2577, 37.0952, 69.2891



Protanomaly

30.1802, 35.0582, 63.5688



Deuteranomaly

31.1431, 35.3947, 70.8361



Tritanomaly

26.9819, 36.9068, 61.5787

Monochromacy



Original Color

28.2577, 37.0952, 69.2891



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.2586, 25.1993, 37.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2577, 37.0952, 69.2891 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, 179, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 214)  
}
```

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, 179, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.2577, 37.0952, 69.2891 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, 179, 214) }
```


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

```
.border{ border-color:rgb(0, 179, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2577, 37.0952, 69.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 214) }
```

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

```
.background{ background-color: rgb(0, 179,  
214) }
```

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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