

Converting Colors

XYZ(26.6226, 36.3824, 70.0002)

Have a look what the booklet for
XYZ(26.6226, 36.3824, 70.0002)
contains.

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Color

**XYZ(28.3858, 37.1465,
69.9639)**

Conversions

Conversions Part 1

Format	Color
Hex	00B3D7
RGB	0, 179, 215
RGB Percent	0%, 70%, 84%
CMY	0.9998, 0.2980, 0.1569
CMYK	1.00, 0.17, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	28.3858, 37.1465, 69.9639
YIQ	129.5830, -118.2400, -26.7520

Conversions

Conversions Part 2

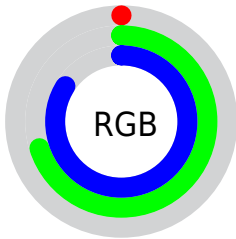
Format	Color
RYB	0, 98, 215
Decimal	46039
CIELab	67.39, -25.21, -28.81
CIELCh	67, 38.287, 228.814
Yxy	37.1465, 0.2095, 0.2742
Android (android.graphics.Color)	4278236119 (0xFF00B3D7)
YUV	129.5830, 42.1106, -113.6443
Hunter-Lab	60.9479, -23.5245, -25.3972

Details

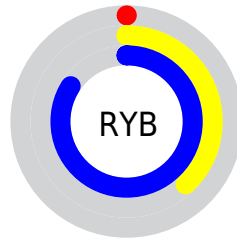
The XYZ color **28.3858, 37.1465, 69.9639** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.6572, 15.7119, 1.5236**, and the grayscale version is **20.9626, 22.0543, 24.0171**.

A 20% lighter version of the original color is **53.5840, 69.6399, 105.2254**, and **13.8060, 17.4598, 35.9001** is the 20% darker color. If you saturate the color by 10%, you get **28.3849, 37.1444, 69.9643**, and if you desaturate by 10%, it is **29.4386, 38.7753, 70.2235**.

Distribution



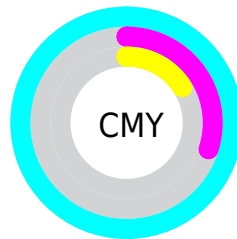
- Red (0%)
- Green (70%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3858, 37.1465, 69.9639 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 28.3858, 37.1465, 69.9639 by changing the saturation by 10% instead.

■ 28.3858, 37.1465,
69.9639

■ 28.3858, 37.1465,
69.9639

286.3526,
333.9443, 479.2089

■ 18.7586, 25.3209,
51.0205

■ 56.5042, 70.7980,
120.8379

■ 11.5990, 16.3163,
35.8481

■ 75.7260, 93.3928,
153.6056

■ 6.5415, 9.7483,
24.0281

■ 98.8769, 120.3461,
191.8184

■ 3.2208, 5.2324,
15.1421

■ 126.3220,
152.0423, 235.8949

■ 1.2716, 2.3842,
8.7714

■ 158.4268,
188.8659, 286.2537

■ 0.1618, 0.8178,
4.4976

195.5566,

■ 0.0000, 0.0000,

231.2011, 343.3133

1.9021

238.0767,
279.4325, 407.4922

■ 0.0000, 0.0000,
0.4941

■ 0.0000, 0.0000,
0.0000

■ 28.3858, 37.1465,
69.9639

■ 28.3858, 37.1465,
69.9639

■ 28.3849, 37.1444,
69.9643

■ 29.4386, 38.7753,
70.2235

■ 30.8660, 40.6247,
70.5053

■ 32.7871, 42.7570,
70.8156

■ 35.2676, 45.2063,
71.1576

■ 38.3629, 48.0013,
71.5340

■ 42.1214, 51.1672,
71.9470

■ 46.5867, 54.7267,
72.3987

■ 51.7986, 58.7004,
72.8910

■ 57.7940, 63.1076,
73.4257

Harmonies

Analogous

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



25.6673, 37.1465, 51.7879



28.3858, 37.1465, 69.9639



33.1628, 37.1465, 81.1483

Triad

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



28.3858, 37.1465, 69.9639



47.5721, 37.1465, 47.0442



31.7915, 37.1465, 16.9218

Complementary

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



28.3858, 37.1465, 69.9639



28.6572, 15.7119, 1.5236

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.



37.5410, 37.1465, 16.3070



28.3858, 37.1465, 69.9639



47.0997, 37.1465, 30.8946

Square

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



28.3858, 37.1465, 69.9639



44.4968, 37.1465, 65.6743



43.2698, 37.1465, 20.6761



27.4779, 37.1465, 22.6811

Rectangle

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



28.3858, 37.1465, 69.9639



37.0639, 37.1465, 81.5183



43.2698, 37.1465, 20.6761



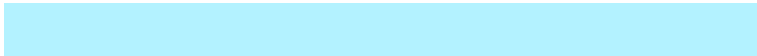
33.6058, 37.1465, 16.1806

Sweetspot

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



28.3870, 37.1478, 69.9648



68.3333, 80.3607, 106.5174



24.6178, 48.7283, 9.7669



14.0024, 16.7093, 22.7372



0.0000, 0.0000, 0.0000



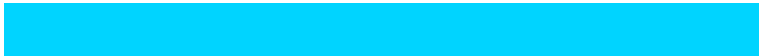
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3870, 37.1478, 69.9648



41.6672, 54.4545, 102.9224



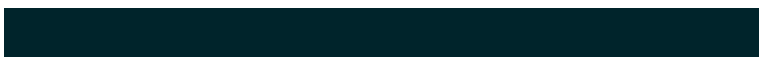
14.5644, 9.5025, 65.3573



12.6070, 13.7373, 15.9246



17.0448, 22.3513, 41.8690



1.0761, 1.4442, 2.5414

Inverse Universe

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



36.1621, 17.7030, 44.1602



53.1609, 26.0284, 64.7045



37.9000, 34.1974, 4.6046



12.8596, 12.5953, 15.2007



21.6623, 10.6012, 26.5893



1.3308, 0.6491, 1.7314

Previews

White Background



This preview shows how the XYZ color 28.3858, 37.1465, 69.9639 looks on a white background.

Color Contrast Check

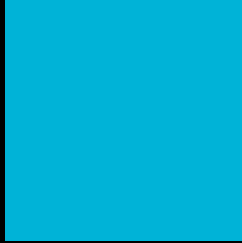
Large Text (above 18pt) WCAG AA × Fail

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 28.3858, 37.1465, 69.9639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

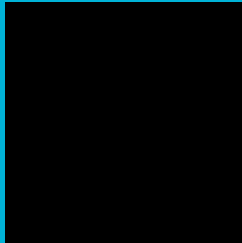
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3858, 37.1465, 69.9639

Background



This preview shows how black text looks on a background with the XYZ color 28.3858, 37.1465, 69.9639.

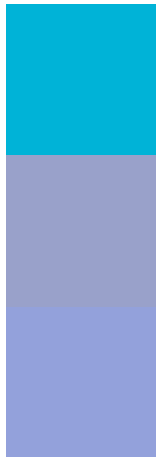


This preview shows how white text looks on a background with the XYZ color 28.3858, 37.1465,

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

28.3858, 37.1465, 69.9639

Protanopia

36.5424, 36.5263, 61.0014

Deuteranopia

37.5637, 36.8073, 72.1425



Tritanopia

26.4877, 37.0333, 57.9766

Trichromacy



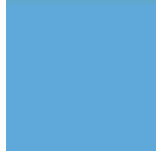
Original Color

28.3858, 37.1465, 69.9639



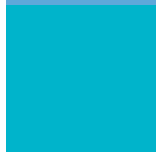
Protanomaly

30.1949, 35.0516, 64.2057



Deuteranomaly

31.2736, 35.4469, 71.5233



Tritanomaly

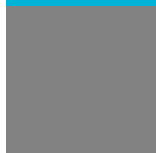
27.1008, 36.9543, 62.2044

Monochromacy



Original Color

28.3858, 37.1465, 69.9639



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.5902, 25.5920, 37.5727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3858, 37.1465, 69.9639 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 215) }
```

Border

The CSS property to change the border of an element to XYZ 28.3858, 37.1465, 69.9639 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, 215) }
```


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

```
.border{ border-color:rgb(0, 179, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3858, 37.1465, 69.9639 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, 215) }
```

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

```
.background{ background-color: rgb(0, 179,  
215) }
```

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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