

Converting Colors

XYZ(28.6688, 36.6320, 71.1308)

Have a look what the booklet for
XYZ(28.6688, 36.6320, 71.1308)
contains.

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Color

**XYZ(28.6985, 36.6870,
71.2144)**

Conversions

Conversions Part 1

Format	Color
Hex	1BB1D9
RGB	27, 177, 217
RGB Percent	11%, 69%, 85%
CMY	0.8940, 0.3059, 0.1490
CMYK	0.88, 0.18, 0.00, 0.15
HSL	193°, 78%, 48%
HSV	193°, 88%, 85%
XYZ	28.6985, 36.6870, 71.2144
YIQ	136.7100, -102.2400, -19.3600

Conversions

Conversions Part 2

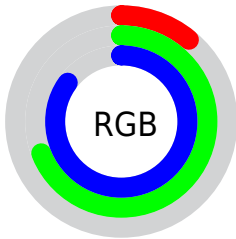
Format	Color
RYB	27, 111, 217
Decimal	1815001
CIELab	67.04, -22.50, -30.43
CIElCh	67, 37.847, 233.521
Yxy	36.6870, 0.2101, 0.2686
Android (android.graphics.Color)	4280005081 (0xFF1BB1D9)
YUV	136.7100, 39.5830, -96.2157
Hunter-Lab	60.5698, -21.4223, -27.3108

Details

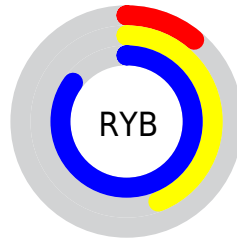
The XYZ color **28.6985, 36.6870, 71.2144** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.8223, 18.8483, 3.0520**, and the grayscale version is **23.5548, 24.7815, 26.9870**.

A 20% lighter version of the original color is **53.7445, 68.8773, 105.0698**, and **13.7292, 17.0239, 36.7448** is the 20% darker color. If you saturate the color by 10%, you get **27.4263, 34.7144, 70.9014**, and if you desaturate by 10%, it is **30.4182, 38.9364, 71.5587**.

Distribution



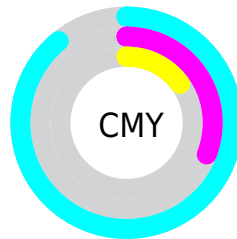
- Red (11%)
- Green (69%)
- Blue (85%)



- Red (11%)
- Yellow (44%)
- Blue (85%)



- Cyan (88%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6985, 36.6870, 71.2144 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 28.6985, 36.6870, 71.2144 by changing the saturation by 10% instead.

■ 28.6985, 36.6870,
71.2144

■ 28.6985, 36.6870,
71.2144

287.8097,
331.9534, 483.7064

■ 18.9960, 24.9652,
52.0343

■ 56.9986, 70.0911,
122.6363

■ 11.7714, 16.0512,
36.6500

■ 76.3269, 92.5423,
155.7151

■ 6.6593, 9.5604,
24.6429

■ 99.5945, 119.3387,
194.2639

■ 3.2944, 5.1085,
15.5946

■ 127.1668,
150.8648, 238.7012

■ 1.3113, 2.3110,
9.0865

■ 159.4091,
187.5049, 289.4456

■ 0.1916, 0.7795,
4.7001

196.6868,

■ 0.0000, 0.0000,

229.6434, 346.9155

2.0167

239.3652,
277.6648, 411.5296

■ 0.0000, 0.0000,
0.5655

■ 0.0000, 0.0000,
0.0000

■ 28.6985, 36.6870,
71.2144

■ 28.6985, 36.6870,
71.2144

■ 27.4263, 34.7144,
70.9014

■ 30.4182, 38.9364,
71.5587

■ 27.1465, 34.2537,
70.8273

■ 32.6695, 41.5046,
71.9357

■ 35.5180, 44.4263,
72.3495

■ 39.0186, 47.7303,
72.8028

■ 43.2197, 51.4419,
73.2978

■ 48.1650, 55.5841,
73.8366

■ 53.8944, 60.1779,
74.4214

■ 60.4451, 65.2429,
75.0537

■ 67.8517, 70.7971,
75.7354

Harmonies

Analogous

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



25.6794, 36.6870, 53.9683



28.6985, 36.6870, 71.2144



33.6365, 36.6870, 80.4121

Triad

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



28.6985, 36.6870, 71.2144



47.0553, 36.6870, 43.6284



30.6394, 36.6870, 17.3713

Complementary

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



28.6985, 36.6870, 71.2144



30.8223, 18.8483, 3.0520

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.



36.1330, 36.6870, 16.0137



28.6985, 36.6870, 71.2144



46.0269, 36.6870, 28.5908

Square

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



28.6985, 36.6870, 71.2144



44.5412, 36.6870, 61.8944



41.8681, 36.6870, 19.5050



26.7108, 36.6870, 23.9172

Rectangle

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



28.6985, 36.6870, 71.2144



37.5203, 36.6870, 79.3399



41.8681, 36.6870, 19.5050



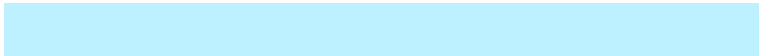
32.3473, 36.6870, 16.3838

Sweetspot

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



28.6997, 36.6883, 71.2153



70.4293, 80.9352, 106.5178



26.2205, 50.2415, 13.3197



14.5036, 16.8550, 22.7389



0.0000, 0.0000, 0.0000



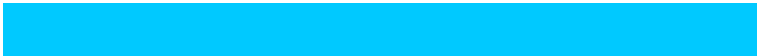
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6997, 36.6883, 71.2153



39.0091, 49.1382, 102.0364



16.1489, 11.5866, 67.0317



13.2000, 14.3398, 16.7243



16.5118, 20.8930, 42.9009



1.1292, 1.4725, 2.7992

Inverse Universe

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



36.9441, 18.7113, 43.2606



51.8192, 25.4917, 57.6392



41.3860, 39.9756, 6.5732



13.4908, 13.2254, 15.8460



21.8297, 10.7329, 24.5471



1.4443, 0.7073, 1.7484

Previews

White Background



This preview shows how the XYZ color 28.6985, 36.6870, 71.2144 looks on a white background.

Color Contrast Check

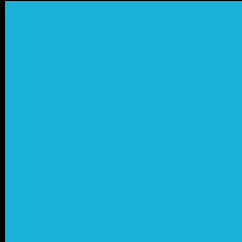
Large Text (above 18pt) WCAG AA × Fail

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 28.6985, 36.6870, 71.2144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

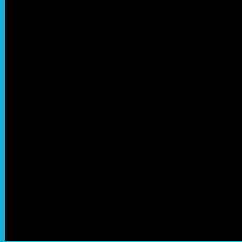
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6985, 36.6870, 71.2144

Background



This preview shows how black text looks on a background with the XYZ color 28.6985, 36.6870, 71.2144.

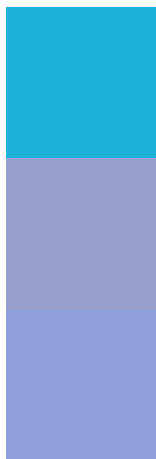


This preview shows how white text looks on a background with the XYZ color 28.6985, 36.6870,

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

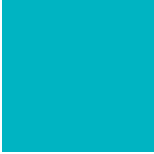
28.6985, 36.6870, 71.2144

Protanopia

36.3527, 36.1287, 62.8151

Deuteranopia

37.1236, 36.2914, 73.4549



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

28.6985, 36.6870, 71.2144

Protanomaly

31.0887, 34.9401, 65.4272

Deuteranomaly

31.9213, 35.2064, 72.8232

Tritanomaly

26.9059, 36.5690, 61.5175

Monochromacy



Original Color

28.6985, 36.6870, 71.2144

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.0409, 27.7510, 40.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6985, 36.6870, 71.2144 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(27, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(27, 177, 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(27, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 177, 217) }
```

Border

The CSS property to change the border of an element to XYZ 28.6985, 36.6870, 71.2144 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(27, 177, 217) }
```


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

```
.border{ border-color:rgb(27, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(27, 177,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6985, 36.6870, 71.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 177, 217) }
```

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

```
.background{ background-color: rgb(27, 177,  
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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