

Converting Colors

XYZ(29.6916, 38.6604, 71.4216)

Have a look what the booklet for
XYZ(29.6916, 38.6604, 71.4216)
contains.

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Color

**XYZ(29.7312, 38.7125,
71.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB6D9
RGB	28, 182, 217
RGB Percent	11%, 71%, 85%
CMY	0.8901, 0.2863, 0.1490
CMYK	0.87, 0.16, 0.00, 0.15
HSL	191°, 77%, 48%
HSV	191°, 87%, 85%
XYZ	29.7312, 38.7125, 71.5509
YIQ	139.9440, -103.0190, -21.7630

Conversions

Conversions Part 2

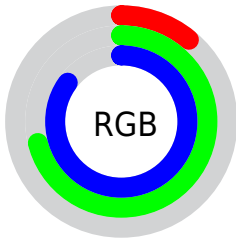
Format	Color
R _Y B	28, 113, 217
Decimal	1881817
CIE Lab	68.54, -24.99, -28.12
CIE LCh	69, 37.620, 228.364
Yxy	38.7125, 0.2124, 0.2765
Android (android.graphics.Color)	4280071897 (0xFF1CB6D9)
YUV	139.9440, 37.9886, -98.1749
Hunter-Lab	62.2194, -23.5886, -24.6286

Details

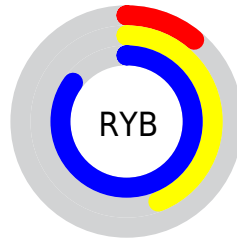
The XYZ color **29.7312, 38.7125, 71.5509** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.6042, 18.3933, 3.0373**, and the grayscale version is **24.7945, 26.0858, 28.4074**.

A 20% lighter version of the original color is **55.3066, 71.8138, 105.5542**, and **14.3718, 18.3091, 36.9590** is the 20% darker color. If you saturate the color by 10%, you get **28.5208, 36.8848, 71.2627**, and if you desaturate by 10%, it is **31.3897, 40.8077, 71.8687**.

Distribution



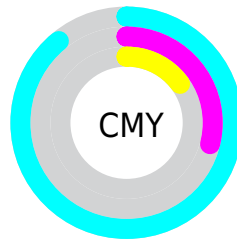
- Red (11%)
- Green (71%)
- Blue (85%)



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



- Cyan (87%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7312, 38.7125, 71.5509 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 29.7312, 38.7125, 71.5509 by changing the saturation by 10% instead.

■ 29.7312, 38.7125,
71.5509

■ 29.7312, 38.7125,
71.5509

292.5819,
340.6666, 484.9124

■ 19.7817, 26.5361,
52.3073

■ 58.6264, 73.1989,
123.1196

■ 12.3438, 17.2252,
36.8661

■ 78.3028, 96.2778,
156.2818

■ 7.0521, 10.3952,
24.8089

■ 101.9522,
123.7595, 194.9205

■ 3.5413, 5.6617,
15.7170

■ 129.9400,
156.0287, 239.4544

■ 1.4461, 2.6405,
9.1719

■ 162.6315,
193.4696, 290.3021

■ 0.2887, 0.9471,
4.7552

200.3920,

■ 0.0000, 0.0000,

236.4666, 347.8819

2.0481

243.5871,
285.4041, 412.6125

■ 0.0000, 0.0000,
0.5846

■ 0.0000, 0.0000,
0.0000

■ 29.7312, 38.7125,
71.5509

■ 29.7312, 38.7125,
71.5509

■ 28.5208, 36.8848,
71.2627

■ 31.3897, 40.8077,
71.8687

■ 28.2096, 36.3800,
71.1816

■ 33.5764, 43.2098,
72.2171

■ 36.3562, 45.9533,
72.6001

■ 39.7835, 49.0665,
73.0204

■ 43.9065, 52.5745,
73.4802

■ 48.7684, 56.5000,
73.9816

■ 54.4091, 60.8637,
74.5266

■ 60.8656, 65.6849,
75.1169

■ 68.1722, 70.9816,
75.7542

Harmonies

Analogous

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



27.0047, 38.7125, 53.2923



29.7312, 38.7125, 71.5509



34.5441, 38.7125, 82.8787

Triad

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



29.7312, 38.7125, 71.5509



49.1233, 38.7125, 49.0825



33.3203, 38.7125, 18.1444

Complementary

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



29.7312, 38.7125, 71.5509



30.6042, 18.3933, 3.0373

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.



39.1417, 38.7125, 17.5851



29.7312, 38.7125, 71.5509



48.7048, 38.7125, 32.6825

Square

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



29.7312, 38.7125, 71.5509



45.9861, 38.7125, 67.7657



44.8976, 38.7125, 22.1618



28.9183, 38.7125, 23.9733

Rectangle

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



29.7312, 38.7125, 71.5509



38.4777, 38.7125, 83.3877



44.8976, 38.7125, 22.1618



35.1622, 38.7125, 17.4050

Sweetspot

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



29.7325, 38.7139, 71.5519



70.9291, 81.9349, 106.6844



26.1807, 50.2287, 12.9696



14.6237, 17.0951, 22.7789



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.



29.7325, 38.7139, 71.5519



40.5508, 52.2215, 102.5503



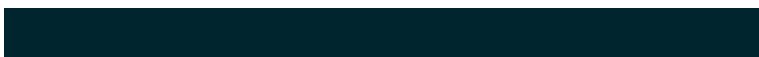
16.4828, 12.2146, 67.1353



13.2292, 14.3981, 16.7340



17.1487, 22.1669, 43.1132



1.1652, 1.5446, 2.8112

Inverse Universe

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



37.4752, 18.9610, 45.9419



52.5973, 25.8029, 61.7370



40.9092, 39.0034, 6.4723



13.5055, 13.2313, 15.9234



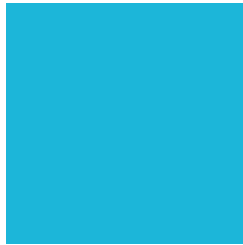
22.1512, 10.8615, 26.2401



1.4624, 0.7146, 1.8442

Previews

White Background



This preview shows how the XYZ color 29.7312, 38.7125, 71.5509 looks on a white background.

Color Contrast Check

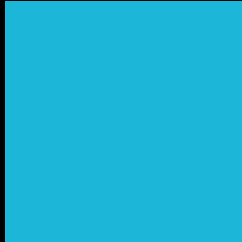
Large Text (above 18pt) WCAG AA × Fail

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 29.7312, 38.7125, 71.5509 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

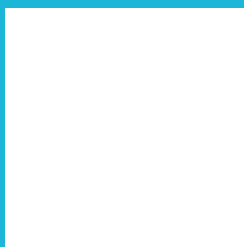
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7312, 38.7125, 71.5509

Background



This preview shows how black text looks on a background with the XYZ color 29.7312, 38.7125, 71.5509.



This preview shows how white text looks on a background with the XYZ color 29.7312, 38.7125,

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

29.7312, 38.7125, 71.5509

Protanopia

38.0792, 38.0787, 62.4697

Deuteranopia

38.9108, 37.9942, 73.6894



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

29.7312, 38.7125, 71.5509



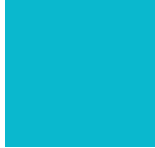
Protanomaly

32.5019, 37.0443, 65.7588



Deuteranomaly

33.2369, 36.9809, 73.0964



Tritanomaly

28.4062, 38.8017, 64.3848

Monochromacy



Original Color

29.7312, 38.7125, 71.5509



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.9348, 28.9225, 41.3669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7312, 38.7125, 71.5509 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(28, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(28, 182, 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(28, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 182, 217) }
```

Border

The CSS property to change the border of an element to XYZ 29.7312, 38.7125, 71.5509 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(28, 182, 217) }
```


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

```
.border{ border-color:rgb(28, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(28, 182,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7312, 38.7125, 71.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 182, 217) }
```

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

```
.background{ background-color: rgb(28, 182,  
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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