

Converting Colors

XYZ(29.2852, 36.9895, 71.2418)

Have a look what the booklet for
XYZ(29.2852, 36.9895, 71.2418)
contains.

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Color

**XYZ(29.2852, 36.9895,
71.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	2CB1D9
RGB	44, 177, 217
RGB Percent	17%, 69%, 85%
CMY	0.8274, 0.3059, 0.1490
CMYK	0.80, 0.18, 0.00, 0.15
HSL	194°, 69%, 51%
HSV	194°, 80%, 85%
XYZ	29.2852, 36.9895, 71.2418
YIQ	141.7930, -92.1080, -15.7560

Conversions

Conversions Part 2

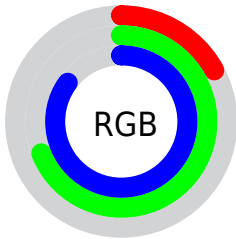
Format	Color
R _Y B	44, 119, 217
Decimal	2929113
CIE Lab	67.27, -21.21, -30.06
CIE LCh	67, 36.792, 234.792
Yxy	36.9895, 0.2130, 0.2690
Android (android.graphics.Color)	4281119193 (0xFF2CB1D9)
YUV	141.7930, 37.0771, -85.7645
Hunter-Lab	60.8190, -20.4830, -26.8775

Details

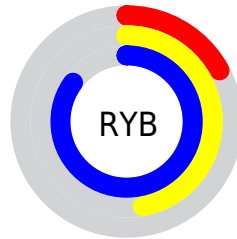
The XYZ color **29.2852, 36.9895, 71.2418** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.2418, 21.2765, 4.7918**, and the grayscale version is **25.5158, 26.8446, 29.2338**.

A 20% lighter version of the original color is **54.6601, 69.3494, 105.1126**, and **13.7292, 17.0239, 36.7448** is the 20% darker color. If you saturate the color by 10%, you get **27.6120, 34.6832, 70.8856**, and if you desaturate by 10%, it is **31.4841, 39.6222, 71.6348**.

Distribution



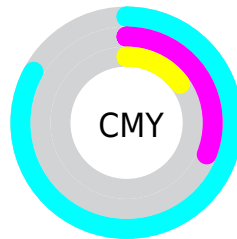
- Red (17%)
- Green (69%)
- Blue (85%)



- Red (17%)
- Yellow (47%)
- Blue (85%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2852, 36.9895, 71.2418 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 29.2852, 36.9895, 71.2418 by changing the saturation by 10% instead.

■ 29.2852, 36.9895,
71.2418

■ 29.2852, 36.9895,
71.2418

■ 290.5282,
333.2651, 483.8047

■ 19.4420, 25.1994,
52.0565

■ 57.9243, 70.5566,
122.6756

■ 12.0960, 16.2256,
36.6676

■ 77.4510, 93.1024,
155.7612

■ 6.8818, 9.6840,
24.6564

■ 100.9363,
120.0022, 194.3174

■ 3.4339, 5.1899,
15.6046

■ 128.7454,
151.6404, 238.7625

■ 1.3872, 2.3591,
9.0935

■ 161.2438,
188.4014, 289.5153

■ 0.2471, 0.8047,
4.7046

198.7969,

■ 0.0000, 0.0000,

230.6696, 346.9943

2.0193

241.7699,
278.8293, 411.6179

■ 0.0000, 0.0000,
0.5671

■ 0.0000, 0.0000,
0.0000

■ 29.2852, 36.9895,
71.2418

■ 29.2852, 36.9895,
71.2418

■ 27.6120, 34.6832,
70.8856

■ 31.4841, 39.6222,
71.6348

■ 26.3449, 32.6392,
70.5578

■ 34.2721, 42.6126,
72.0651

■ 26.3112, 32.5832,
70.5488

■ 37.7071, 45.9918,
72.5363

■ 41.8387, 49.7859,
73.0508

■ 46.7117, 54.0185,
73.6110

■ 52.3670, 58.7111,
74.2187

■ 58.8423, 63.8839,
74.8758

■ 66.1728, 69.5555,
75.5842

■ 74.3917, 75.7434,
76.3454

Harmonies

Analogous

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



26.2273, 36.9895, 54.7046



29.2852, 36.9895, 71.2418



34.1852, 36.9895, 79.6502

Triad

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



29.2852, 36.9895, 71.2418



47.0609, 36.9895, 43.1516



30.8158, 36.9895, 18.1980

Complementary

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



29.2852, 36.9895, 71.2418



32.2418, 21.2765, 4.7918

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.



36.1479, 36.9895, 16.6396



29.2852, 36.9895, 71.2418



45.9143, 36.9895, 28.6365

Square

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



29.2852, 36.9895, 71.2418



44.7518, 36.9895, 60.8946



41.7664, 36.9895, 19.9035



27.0428, 36.9895, 24.9311

Rectangle

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



29.2852, 36.9895, 71.2418



37.9907, 36.9895, 78.2430



41.7664, 36.9895, 19.9035



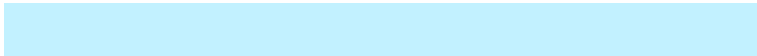
32.4686, 36.9895, 17.1429

Sweetspot

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



29.2864, 36.9908, 71.2427



71.6575, 81.4842, 106.5590



27.3563, 50.7636, 16.2388



14.7221, 16.9273, 22.7413



0.0000, 0.0000, 0.0000



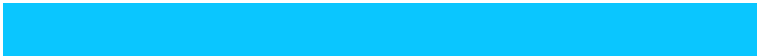
20.3446, 21.4041, 23.3091

Same Dimension

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



29.2864, 36.9908, 71.2427



38.4625, 47.8554, 101.8176



17.4806, 13.3791, 67.3074



13.1763, 14.2924, 16.7164



16.0110, 19.8915, 42.7340



1.1007, 1.4155, 2.7896

Inverse Universe

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



37.4528, 19.7287, 43.4302



51.5895, 25.5770, 55.8838



43.0709, 42.9347, 8.4015



13.4789, 13.2206, 15.7830



21.5770, 10.6318, 23.2161



1.4299, 0.7016, 1.6726

Previews

White Background



This preview shows how the XYZ color 29.2852, 36.9895, 71.2418 looks on a white background.

Color Contrast Check

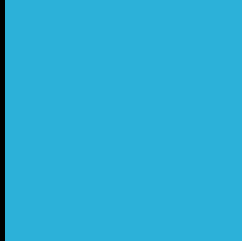
Large Text (above 18pt) WCAG AA × Fail

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 29.2852, 36.9895, 71.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

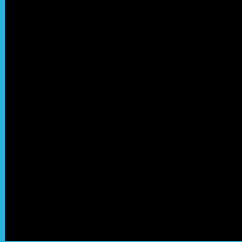
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2852, 36.9895, 71.2418

Background



This preview shows how black text looks on a background with the XYZ color 29.2852, 36.9895, 71.2418.



This preview shows how white text looks on a background with the XYZ color 29.2852, 36.9895,

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

29.2852, 36.9895, 71.2418

Protanopia

36.7132, 36.5729, 62.8819

Deuteranopia

37.2990, 36.3818, 73.4631



Tritanopia

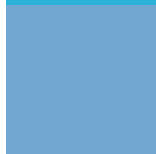
26.3742, 36.9879, 57.3791

Trichromacy



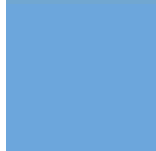
Original Color

29.2852, 36.9895, 71.2418



Protanomaly

32.1374, 35.7516, 65.5285



Deuteranomaly

32.7388, 35.6279, 72.8615



Tritanomaly

27.3144, 37.0645, 62.2144

Monochromacy



Original Color

29.2852, 36.9895, 71.2418



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.8266, 29.3714, 41.8969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2852, 36.9895, 71.2418 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(44, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 177, 217) }
```

Border

The CSS property to change the border of an element to XYZ 29.2852, 36.9895, 71.2418 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(44, 177, 217) }
```


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

```
.border{ border-color:rgb(44, 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(44, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(44, 177,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2852, 36.9895, 71.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 177, 217) }
```

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

```
.background{ background-color: rgb(44, 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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