

Converting Colors

XYZ(28.7435, 35.7861, 71.5261)

Have a look what the booklet for
XYZ(28.7435, 35.7861, 71.5261)
contains.

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Color

**XYZ(28.8296, 35.8695,
71.7337)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2CAEDA |
| RGB | 44, 174, 218 |
| RGB Percent | 17%, 68%, 85% |
| CMY | 0.8274, 0.3176, 0.1451 |
| CMYK | 0.80, 0.20, 0.00, 0.15 |
| HSL | 195°, 70%, 51% |
| HSV | 195°, 80%, 85% |
| XYZ | 28.8296, 35.8695, 71.7337 |
| YIQ | 140.1460, -91.6040, -13.8760 |

Conversions

Conversions Part 2

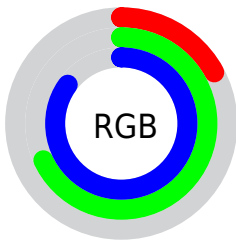
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 44, 118, 218 |
| Decimal | 2928346 |
| CIE Lab | 66.42, -19.31, -31.92 |
| CIE LCh | 66, 37.311, 238.828 |
| Yxy | 35.8695, 0.2113, 0.2629 |
| Android (android.graphics.Color) | 4281118426 (0xFF2CAEDA) |
| YUV | 140.1460, 38.3820, -84.3200 |
| Hunter-Lab | 59.8912, -18.8856, -29.0899 |

Details

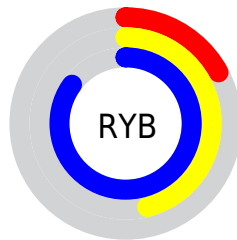
The XYZ color **28.8296, 35.8695, 71.7337** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.8595, 22.0692, 4.9122**, and the grayscale version is **24.8670, 26.1621, 28.4905**.

A 20% lighter version of the original color is **53.8180, 67.6652, 104.8319**, and **13.4482, 16.3191, 37.0914** is the 20% darker color. If you saturate the color by 10%, you get **27.0838, 33.4213, 71.3539**, and if you desaturate by 10%, it is **31.1129, 38.6609, 72.1529**.

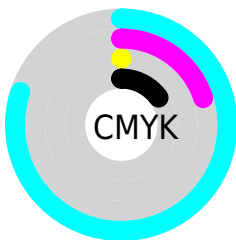
Distribution



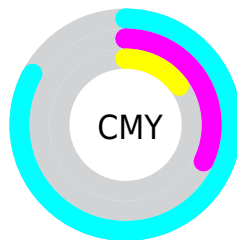
- Red (17%)
- Green (68%)
- Blue (85%)



- Red (17%)
- Yellow (46%)
- Blue (85%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (32%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8296, 35.8695, 71.7337 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 28.8296, 35.8695, 71.7337 by changing the saturation by 10% instead.

■ 28.8296, 35.8695,
71.7337

■ 28.8296, 35.8695,
71.7337

288.4188,
328.3898, 485.5668

■ 19.0956, 24.3334,
52.4557

■ 57.2057, 68.8306,
123.3820

■ 11.8438, 15.5811,
36.9837

■ 76.5785, 91.0244,
156.5894

■ 6.7088, 9.2283,
24.8992

■ 99.8949, 117.5396,
195.2770

■ 3.3254, 4.8904,
15.7836

■ 127.5203,
148.7605, 239.8633

■ 1.3281, 2.1831,
9.2185

■ 159.8200,
185.0716, 290.7669

■ 0.2041, 0.7107,
4.7852

197.1594,

■ 0.0000, 0.0000,

226.8573, 348.4063

2.0653

239.9039,
274.5019, 413.2001

■ 0.0000, 0.0000,
0.5950

■ 0.0000, 0.0000,
0.0000

■ 28.8296, 35.8695,
71.7337

■ 28.8296, 35.8695,
71.7337

■ 27.0838, 33.4213,
71.3539

■ 31.1129, 38.6609,
72.1529

■ 25.7532, 31.2507,
71.0050

■ 33.9980, 41.8276,
72.6120

■ 25.7294, 31.2108,
70.9986

■ 37.5437, 45.4013,
73.1150

■ 41.8005, 49.4087,
73.6641

■ 46.8138, 53.8739,
74.2617

■ 52.6249, 58.8189,
74.9100

■ 59.2723, 64.2644,
75.6107

■ 66.7916, 70.2292,
76.3657

■ 75.2167, 76.7316,
77.1767

Harmonies

Analogous

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



25.5216, 35.8695, 55.8466



28.8296, 35.8695, 71.7337



33.8736, 35.8695, 78.5934

Triad

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



28.8296, 35.8695, 71.7337



45.9996, 35.8695, 39.6885



29.1713, 35.8695, 17.8287

Complementary

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



28.8296, 35.8695, 71.7337



32.8595, 22.0692, 4.9122

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.



34.3131, 35.8695, 15.6661



28.8296, 35.8695, 71.7337



44.3959, 35.8695, 26.0209

Square

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



28.8296, 35.8695, 71.7337



44.1343, 35.8695, 57.2415



39.9607, 35.8695, 18.2044



25.7032, 35.8695, 25.1982

Rectangle

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



28.8296, 35.8695, 71.7337



37.6784, 35.8695, 76.0088



39.9607, 35.8695, 18.2044



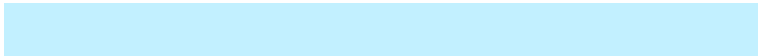
30.7424, 35.8695, 16.5749

Sweetspot

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



28.8308, 35.8708, 71.7346



71.2668, 80.7028, 106.4288



27.8523, 51.3756, 17.5752



14.6272, 16.7376, 22.7097



0.0000, 0.0000, 0.0000



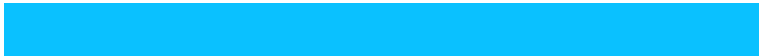
20.3446, 21.4041, 23.3091

Same Dimension

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



28.8308, 35.8708, 71.7346



37.2683, 45.4671, 101.4195



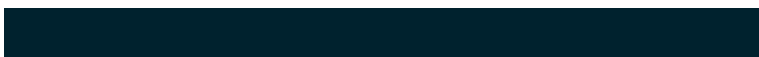
17.1441, 12.4972, 67.8390



13.1516, 14.2429, 16.7081



15.5044, 18.8783, 42.5651



1.0716, 1.3573, 2.7800

Inverse Universe

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



37.4552, 19.7641, 41.8863



50.9868, 25.3359, 52.7097



44.6023, 45.5549, 8.8265



13.4664, 13.2156, 15.7172



21.3213, 10.5295, 21.8696



1.4152, 0.6957, 1.5953

Previews

White Background



This preview shows how the XYZ color 28.8296, 35.8695, 71.7337 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 28.8296, 35.8695, 71.7337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

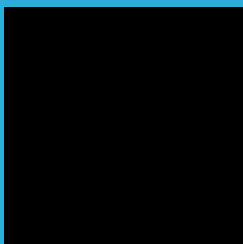
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

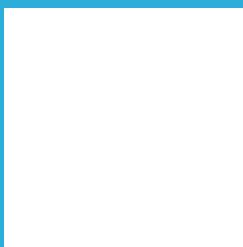
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8296, 35.8695, 71.7337

Background



This preview shows how black text looks on a background with the XYZ color 28.8296, 35.8695, 71.7337.

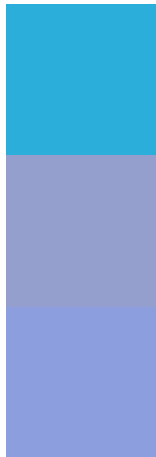


This preview shows how white text looks on a background with the XYZ color 28.8296, 35.8695,

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

28.8296, 35.8695, 71.7337

Protanopia

35.7515, 35.5484, 63.3697

Deuteranopia

36.2269, 35.3031, 74.0121



Tritanopia

25.5460, 35.6910, 55.9947

Trichromacy



Original Color

28.8296, 35.8695, 71.7337



Protanomaly

31.3387, 34.5191, 65.9839



Deuteranomaly

32.1523, 34.7746, 73.4242



Tritanomaly

26.5965, 35.8187, 61.3890

Monochromacy



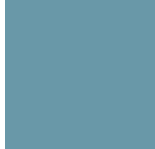
Original Color

28.8296, 35.8695, 71.7337



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.1218, 28.2869, 41.2343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8296, 35.8695, 71.7337 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, 174, 218)` looks like.

```
.text, #text, p{  
    color:rgb(44, 174, 218)  
}
```

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, 174, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 174, 218) }
```

Border

The CSS property to change the border of an element to XYZ 28.8296, 35.8695, 71.7337 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, 174, 218) }
```


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

```
.border{ border-color:rgb(44, 174, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 174, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 174, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 174, 218);  
box-shadow:4px 4px 4px 4px rgb(44, 174,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8296, 35.8695, 71.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 174, 218) }
```

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

```
.background{ background-color: rgb(44, 174,  
218) }
```

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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