

Converting Colors

XYZ(28.8862, 36.5440, 74.5331)

Have a look what the booklet for
XYZ(28.8862, 36.5440, 74.5331)
contains.

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Color

**XYZ(28.8228, 36.3827,
74.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	09B0DE
RGB	9, 176, 222
RGB Percent	4%, 69%, 87%
CMY	0.9645, 0.3098, 0.1294
CMYK	0.96, 0.21, 0.00, 0.13
HSL	193°, 92%, 45%
HSV	193°, 96%, 87%
XYZ	28.8228, 36.3827, 74.6107
YIQ	131.3110, -114.2980, -21.0980

Conversions

Conversions Part 2

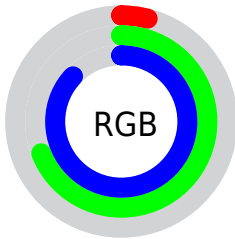
Format	Color
R _Y B	9, 103, 222
Decimal	635102
CIE Lab	66.81, -21.03, -33.55
CIE LCh	67, 39.590, 237.922
Yxy	36.3827, 0.2061, 0.2602
Android (android.graphics.Color)	4278825182 (0xFF09B0DE)
YUV	131.3110, 44.7097, -107.2667
Hunter-Lab	60.3181, -20.2610, -31.1164

Details

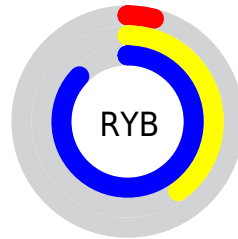
The XYZ color **28.8228, 36.3827, 74.6107** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **31.5428, 18.2869, 2.1272**, and the grayscale version is **21.5650, 22.6881, 24.7073**.

A 20% lighter version of the original color is **52.9700, 68.0590, 104.9526**, and **14.0580, 16.9559, 39.0911** is the 20% darker color. If you saturate the color by 10%, you get **28.3300, 35.5641, 74.4794**, and if you desaturate by 10%, it is **30.2405, 38.5348, 74.9521**.

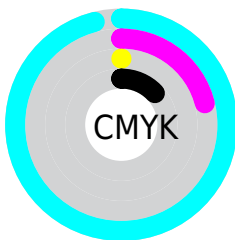
Distribution



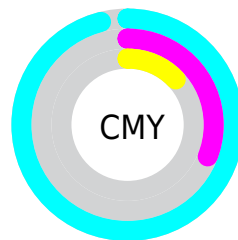
- Red (4%)
- Green (69%)
- Blue (87%)



- Red (4%)
- Yellow (40%)
- Blue (87%)



- Cyan (96%)
- Magenta (21%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8228, 36.3827, 74.6107 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 28.8228, 36.3827, 74.6107 by changing the saturation by 10% instead.

■ 28.8228, 36.3827,
74.6107

■ 28.8228, 36.3827,
74.6107

288.3873,
330.6302, 495.7981

■ 19.0904, 24.7299,
54.7942

■ 57.1949, 69.6223,
127.5032

■ 11.8400, 15.8759,
38.8395

■ 76.5654, 91.9780,
161.4162

■ 6.7063, 9.4364,
26.3280

■ 99.8793, 118.6700,
200.8652

■ 3.3238, 5.0269,
16.8412

■ 127.5019,
150.0829, 246.2687

■ 1.3272, 2.2631,
9.9606

■ 159.7987,
186.6009, 298.0452

■ 0.2034, 0.7541,
5.2676

197.1349,

■ 0.0000, 0.0000,

228.6086, 356.6132

2.3436

239.8760,
276.4902, 422.3913

■ 0.0000, 0.0000,
0.7555

■ 0.0000, 0.0000,
0.0000

■ 28.8228, 36.3827,
74.6107

■ 28.8228, 36.3827,
74.6107

■ 28.3300, 35.5641,
74.4794

■ 30.2405, 38.5348,
74.9521

■ 32.1504, 40.9898,
75.3253

■ 34.6357, 43.7918,
75.7352

■ 37.7625, 46.9752,
76.1848

■ 41.5876, 50.5699,
76.6771

■ 46.1614, 54.6022,
77.2143

■ 51.5293, 59.0962,
77.7988

■ 57.7331, 64.0737,
78.4326

■ 64.8118, 69.5552,
79.1175

Harmonies

Analogous

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



25.3776, 36.3827, 57.1358



28.8228, 36.3827, 74.6107



34.1651, 36.3827, 82.5144

Triad

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



28.8228, 36.3827, 74.6107



47.4010, 36.3827, 40.8216



29.4676, 36.3827, 17.0487

Complementary

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



28.8228, 36.3827, 74.6107



31.5428, 18.2869, 2.1272

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.



34.9996, 36.3827, 14.9654



28.8228, 36.3827, 74.6107



45.7764, 36.3827, 26.1005

Square

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



28.8228, 36.3827, 74.6107



45.2752, 36.3827, 59.8189



41.0584, 36.3827, 17.7389



25.7186, 36.3827, 24.5645

Rectangle

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



28.8228, 36.3827, 74.6107



38.2436, 36.3827, 79.9685



41.0584, 36.3827, 17.7389



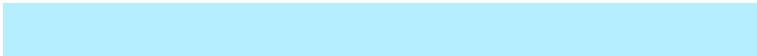
31.1594, 36.3827, 15.8049

Sweetspot

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



28.8241, 36.3840, 74.6116



67.9919, 78.7981, 106.2337



26.8467, 52.5463, 11.9343



13.8817, 16.3027, 22.6650



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.



28.8241, 36.3840, 74.6116



38.6852, 48.4904, 101.9284



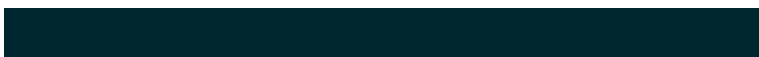
15.6767, 10.0893, 70.2292



13.8522, 15.0435, 17.5613



16.9118, 21.2932, 44.2670



1.2355, 1.6024, 3.0894

Inverse Universe

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



38.0595, 18.8610, 42.7100



51.6557, 25.4263, 56.7783



42.4209, 40.0431, 5.7532



14.1616, 13.8823, 16.6212



22.4765, 11.0576, 24.9729



1.5899, 0.7792, 1.8990

Previews

White Background



This preview shows how the XYZ color 28.8228, 36.3827, 74.6107 looks on a white background.

Color Contrast Check

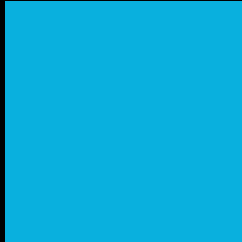
Large Text (above 18pt) WCAG AA × Fail

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 28.8228, 36.3827, 74.6107 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 28.8228, 36.3827, 74.6107

Background



This preview shows how black text looks on a background with the XYZ color 28.8228, 36.3827, 74.6107.

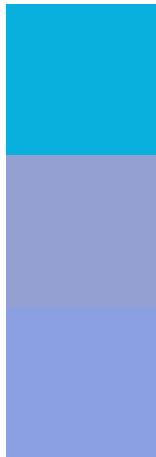


This preview shows how white text looks on a background with the XYZ color 28.8228, 36.3827,

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

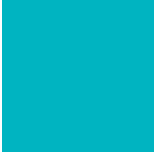
28.8228, 36.3827, 74.6107

Protanopia

36.4164, 36.0907, 66.0196

Deuteranopia

36.9457, 36.1216, 76.9764



Tritanopia

25.9469, 36.4928, 56.1283

Trichromacy



Original Color

28.8228, 36.3827, 74.6107



Protanomaly

30.7036, 34.6689, 68.6918



Deuteranomaly

31.6405, 34.9840, 76.3191



Tritanomaly

27.0567, 36.6192, 62.7689

Monochromacy



Original Color

28.8228, 36.3827, 74.6107



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.0650, 25.5740, 38.9480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8228, 36.3827, 74.6107 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(9, 176, 222)` looks like.

```
.text, #text, p{  
    color:rgb(9, 176, 222)  
}
```

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(9, 176, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 176, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.8228, 36.3827, 74.6107 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(9, 176, 222) }
```


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

```
.border{ border-color:rgb(9, 176, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 176, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 176, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 176, 222);  
box-shadow:4px 4px 4px 4px rgb(9, 176,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8228, 36.3827, 74.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 176, 222) }
```

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

```
.background{ background-color: rgb(9, 176,  
222) }
```

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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