

Converting Colors

XYZ(28.8489, 36.0836, 76.2501)

Have a look what the booklet for
XYZ(28.8489, 36.0836, 76.2501)
contains.

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Color

**XYZ(28.7845, 36.0418,
75.9607)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFE0
RGB	0, 175, 224
RGB Percent	0%, 69%, 88%
CMY	0.9998, 0.3137, 0.1216
CMYK	1.00, 0.22, 0.00, 0.12
HSL	193°, 100%, 44%
HSV	193°, 100%, 88%
XYZ	28.7845, 36.0418, 75.9607
YIQ	128.2610, -120.0290, -21.8610

Conversions

Conversions Part 2

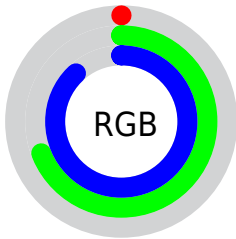
Format	Color
RYB	0, 98, 224
Decimal	45024
CIELab	66.55, -20.06, -35.05
CIELCh	67, 40.382, 240.222
Yxy	36.0418, 0.2045, 0.2560
Android (android.graphics.Color)	4278235104 (0xFF00AFE0)
YUV	128.2610, 47.1993, -112.4849
Hunter-Lab	60.0348, -19.4767, -32.9939

Details

The XYZ color **28.7845, 36.0418, 75.9607** 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 **31.8415, 18.0485, 1.8070**, and the grayscale version is **20.4854, 21.5522, 23.4703**.

A 20% lighter version of the original color is **52.5698, 67.4360, 104.8535**, and **14.1210, 16.7836, 40.0314** is the 20% darker color. If you saturate the color by 10%, you get **28.7829, 36.0382, 75.9608**, and if you desaturate by 10%, it is **30.0974, 38.1611, 76.3013**.

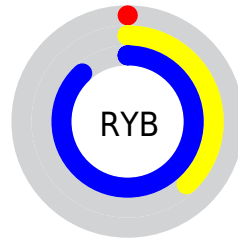
Distribution



Red (0%)

Green (69%)

Blue (88%)



Red (0%)

Yellow (38%)

Blue (88%)

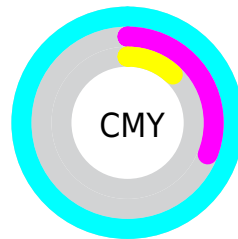


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (31%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7845, 36.0418, 75.9607 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 28.7845, 36.0418, 75.9607 by changing the saturation by 10% instead.

■ 28.7845, 36.0418,
75.9607

■ 28.7845, 36.0418,
75.9607

288.2094,
329.1432, 500.5564

■ 19.0613, 24.4665,
55.8938

■ 57.1345, 69.0966,
129.4309

■ 11.8189, 15.6800,
39.7144

■ 76.4919, 91.3448,
163.6714

■ 6.6918, 9.2980,
27.0038

■ 99.7916, 117.9195,
203.4734

■ 3.3147, 4.9361,
17.3436

■ 127.3987,
149.2050, 249.2556

■ 1.3223, 2.2098,
10.3153

■ 159.6787,
185.5857, 301.4364

■ 0.1998, 0.7253,
5.5001

196.9969,

■ 0.0000, 0.0000,

227.4461, 360.4345

2.4798

239.7187,
275.1704, 426.6683

■ 0.0000, 0.0000,
0.8294

■ 0.0000, 0.0000,
0.0000

■ 28.7845, 36.0418,
75.9607

■ 28.7845, 36.0418,
75.9607

■ 28.7829, 36.0382,
75.9608

■ 30.0974, 38.1611,
76.3013

■ 31.8385, 40.5525,
76.6711

■ 34.1365, 43.2835,
77.0771

■ 37.0645, 46.3922,
77.5229

■ 40.6839, 49.9108,
78.0113

■ 45.0487, 53.8677,
78.5450

■ 50.2072, 58.2881,
79.1263

■ 56.2036, 63.1955,
79.7575

■ 63.0787, 68.6114,
80.4405

Harmonies

Analogous

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



25.1346, 36.0418, 58.5718



28.7845, 36.0418, 75.9607



34.3018, 36.0418, 83.0188

Triad

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



28.7845, 36.0418, 75.9607



47.2935, 36.0418, 39.1144



28.7150, 36.0418, 16.8784

Complementary

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



28.7845, 36.0418, 75.9607



31.8415, 18.0485, 1.8070

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.



34.2116, 36.0418, 14.4217



28.7845, 36.0418, 75.9607



45.3553, 36.0418, 24.7171

Square

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



28.7845, 36.0418, 75.9607



45.4097, 36.0418, 58.2801



40.3818, 36.0418, 16.8049



25.0980, 36.0418, 24.8819

Rectangle

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



28.7845, 36.0418, 75.9607



38.4483, 36.0418, 79.6724



40.3818, 36.0418, 16.8049



30.3813, 36.0418, 15.5039

Sweetspot

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



28.7858, 36.0430, 75.9616



67.1760, 78.0461, 106.1316



27.2020, 53.5304, 11.7576



13.7231, 16.1507, 22.6441



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.



28.7858, 36.0430, 75.9616



38.5212, 48.1623, 101.8737



15.2609, 8.9934, 71.4533



13.8488, 15.0368, 17.5602



16.8417, 21.1530, 44.2436



1.2311, 1.5937, 3.0880

Inverse Universe

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



38.4795, 18.9438, 42.1870



51.5729, 25.3932, 56.3423



43.4073, 41.1800, 5.6622



14.1599, 13.8816, 16.6123



22.4411, 11.0435, 24.7865



1.5877, 0.7783, 1.8876

Previews

White Background



This preview shows how the XYZ color 28.7845, 36.0418, 75.9607 looks on a white background.

Color Contrast Check

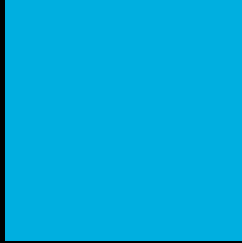
Large Text (above 18pt) WCAG AA × Fail

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 28.7845, 36.0418, 75.9607 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

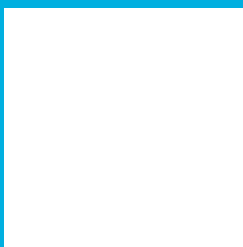
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7845, 36.0418, 75.9607

Background



This preview shows how black text looks on a background with the XYZ color 28.7845, 36.0418, 75.9607.

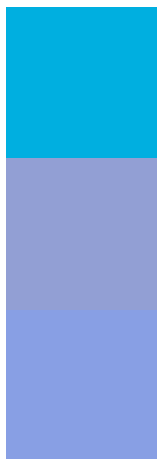


This preview shows how white text looks on a background with the XYZ color 28.7845, 36.0418,

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

28.7845, 36.0418, 75.9607

Protanopia

36.1359, 35.6607, 67.2660

Deuteranopia

36.5551, 35.6320, 78.3498



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



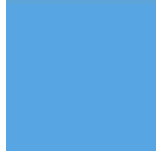
Original Color

28.7845, 36.0418, 75.9607



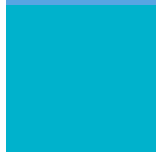
Protanomaly

30.3640, 34.1953, 69.9657



Deuteranomaly

31.2507, 34.4826, 77.6818



Tritanomaly

26.8195, 36.2004, 62.7006

Monochromacy



Original Color

28.7845, 36.0418, 75.9607



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

20.1296, 24.6445, 38.3462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7845, 36.0418, 75.9607 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(0, 175, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 224)  
}
```

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(0, 175, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.7845, 36.0418, 75.9607 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(0, 175, 224) }
```


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

```
.border{ border-color:rgb(0, 175, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7845, 36.0418, 75.9607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 224) }
```

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

```
.background{ background-color: rgb(0, 175,  
224) }
```

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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