

Converting Colors

XYZ(17.8063, 30.3848, 76.4175)

Have a look what the booklet for
XYZ(17.8063, 30.3848, 76.4175)
contains.

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Color

**XYZ(28.9206, 36.0962,
76.6771)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFE1
RGB	0, 175, 225
RGB Percent	0%, 69%, 88%
CMY	0.9998, 0.3137, 0.1176
CMYK	1.00, 0.22, 0.00, 0.12
HSL	193°, 100%, 44%
HSV	193°, 100%, 88%
XYZ	28.9206, 36.0962, 76.6771
YIQ	128.3750, -120.3500, -21.5500

Conversions

Conversions Part 2

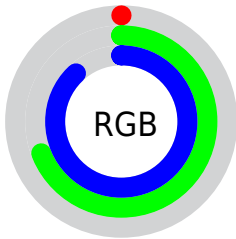
Format	Color
RYB	0, 98, 225
Decimal	45025
CIELab	66.59, -19.71, -35.53
CIELCh	67, 40.633, 240.988
Yxy	36.0962, 0.2041, 0.2547
Android (android.graphics.Color)	4278235105 (0xFF00AFE1)
YUV	128.3750, 47.6361, -112.5849
Hunter-Lab	60.0801, -19.2161, -33.6126

Details

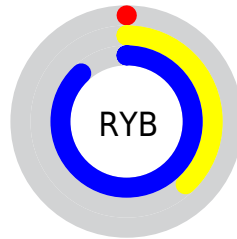
The XYZ color **28.9206, 36.0962, 76.6771** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **32.1951, 18.2941, 1.8360**, and the grayscale version is **20.5242, 21.5931, 23.5149**.

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 **28.9185, 36.0919, 76.6771**, and if you desaturate by 10%, it is **30.2560, 38.2571, 77.0246**.

Distribution



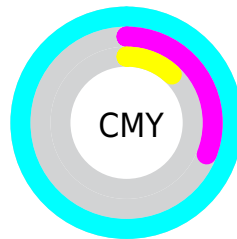
- Red (0%)
- Green (69%)
- Blue (88%)



- 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 28.9206, 36.0962, 76.6771 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 28.9206, 36.0962, 76.6771 by changing the saturation by 10% instead.

■ 28.9206, 36.0962,
76.6771

■ 28.9206, 36.0962,
76.6771

288.8411,
329.3808, 503.0708

■ 19.1647, 24.5085,
56.4779

■ 57.3493, 69.1805,
130.4524

■ 11.8941, 15.7113,
40.1797

■ 76.7529, 91.4459,
164.8656

■ 6.7433, 9.3201,
27.3638

■ 100.1032,
118.0394, 204.8539

■ 3.3470, 4.9505,
17.6118

■ 127.7654,
149.3452, 250.8359

■ 1.3398, 2.2183,
10.5051

■ 160.1049,
185.7479, 303.2300

■ 0.2127, 0.7299,
5.6251

197.4871,

■ 0.0000, 0.0000,

227.6318, 362.4548

2.5534

240.2774,
275.3813, 428.9289

■ 0.0000, 0.0000,
0.8683

■ 0.0000, 0.0000,
0.0000

■ 28.9206, 36.0962,
76.6771

■ 28.9206, 36.0962,
76.6771

■ 28.9185, 36.0919,
76.6771

■ 30.2560, 38.2571,
77.0246

■ 32.0255, 40.6954,
77.4019

■ 34.3588, 43.4789,
77.8162

■ 37.3297, 46.6463,
78.2710

■ 41.0005, 50.2302,
78.7693

■ 45.4257, 54.2593,
79.3138

■ 50.6542, 58.7593,
79.9068

■ 56.7307, 63.7538,
80.5505

■ 63.6965, 69.2645,
81.2471

Harmonies

Analogous

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



25.1909, 36.0962, 59.2939



28.9206, 36.0962, 76.6771



34.5114, 36.0962, 83.4507

Triad

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



28.9206, 36.0962, 76.6771



47.4453, 36.0962, 38.7251



28.6085, 36.0962, 16.9407

Complementary

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



28.9206, 36.0962, 76.6771



32.1951, 18.2941, 1.8360

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.



34.1061, 36.0962, 14.3483



28.9206, 36.0962, 76.6771



45.3965, 36.0962, 24.4009

Square

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



28.9206, 36.0962, 76.6771



45.6412, 36.0962, 57.9814



40.3268, 36.0962, 16.6117



25.0263, 36.0962, 25.1398

Rectangle

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



28.9206, 36.0962, 76.6771



38.6904, 36.0962, 79.8253



40.3268, 36.0962, 16.6117



30.2704, 36.0962, 15.5163

Sweetspot

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



28.9219, 36.0974, 76.6780



67.0984, 77.8909, 106.1057



27.4763, 54.0714, 11.8720



13.7044, 16.1134, 22.6378



0.0000, 0.0000, 0.0000



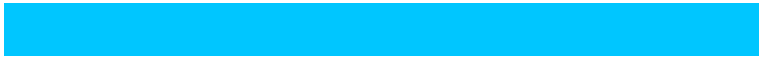
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9219, 36.0974, 76.6780



38.3173, 47.7545, 101.8058



15.4132, 9.0802, 72.1751



13.8446, 15.0284, 17.5588



16.7545, 20.9787, 44.2146



1.2258, 1.5830, 3.0862

Inverse Universe

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



38.7904, 19.1042, 42.2015



51.4700, 25.3520, 55.8003



43.8437, 41.5912, 5.7188



14.1578, 13.8808, 16.6011



22.3971, 11.0259, 24.5548



1.5850, 0.7773, 1.8733

Previews

White Background



This preview shows how the XYZ color 28.9206, 36.0962, 76.6771 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 28.9206, 36.0962, 76.6771 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 28.9206, 36.0962, 76.6771

Background



This preview shows how black text looks on a background with the XYZ color 28.9206, 36.0962, 76.6771.

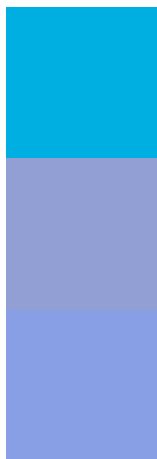


This preview shows how white text looks on a background with the XYZ color 28.9206, 36.0962,

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

28.9206, 36.0962, 76.6771

Protanopia

36.2624, 35.7114, 67.9325

Deuteranopia

36.6943, 35.6877, 79.0831



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

28.9206, 36.0962, 76.6771



Protanomaly

30.4937, 34.2472, 70.6488



Deuteranomaly

31.3892, 34.5379, 78.4109



Tritanomaly

26.9398, 36.2486, 63.3344

Monochromacy



Original Color

28.9206, 36.0962, 76.6771



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 28.9206, 36.0962, 76.6771 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 225) }
```

Border

The CSS property to change the border of an element to XYZ 28.9206, 36.0962, 76.6771 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, 225) }
```


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

```
.border{ border-color:rgb(0, 175, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9206, 36.0962, 76.6771 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, 225) }
```

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

```
.background{ background-color: rgb(0, 175,  
225) }
```

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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