

Converting Colors

XYZ(15.2862, 28.1233, 88.6745)

Have a look what the booklet for
XYZ(15.2862, 28.1233, 88.6745)
contains.

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Color

**XYZ(30.9706, 36.2979,
89.3783)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADF2
RGB	0, 173, 242
RGB Percent	0%, 68%, 95%
CMY	0.9997, 0.3216, 0.0510
CMYK	1.00, 0.29, 0.00, 0.05
HSL	197°, 100%, 47%
HSV	197°, 100%, 95%
XYZ	30.9706, 36.2979, 89.3783
YIQ	129.1390, -125.2570, -15.2170

Conversions

Conversions Part 2

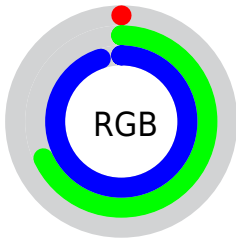
Format	Color
RYB	0, 101, 242
Decimal	44530
CIELab	66.75, -12.60, -44.60
CIELCh	67, 46.343, 254.220
Yxy	36.2979, 0.1977, 0.2317
Android (android.graphics.Color)	4278234610 (0xFF00ADF2)
YUV	129.1390, 55.6405, -113.2549
Hunter-Lab	60.2477, -13.6749, -45.7841

Details

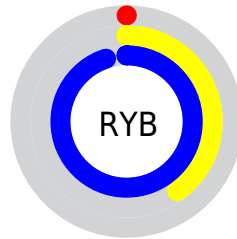
The XYZ color **30.9706, 36.2979, 89.3783** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **38.7512, 23.1426, 2.4266**, and the grayscale version is **20.7655, 21.8469, 23.7913**.

A 20% lighter version of the original color is **52.2238, 66.0218, 104.5987**, and **15.5943, 17.1775, 48.3926** is the 20% darker color. If you saturate the color by 10%, you get **30.9671, 36.2908, 89.3779**, and if you desaturate by 10%, it is **32.7122, 39.2120, 89.8498**.

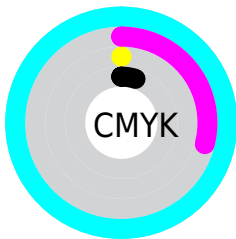
Distribution



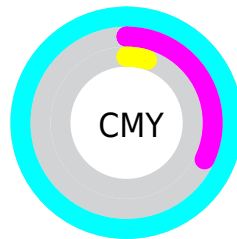
- Red (0%)
- Green (68%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (32%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9706, 36.2979, 89.3783 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 30.9706, 36.2979, 89.3783 by changing the saturation by 10% instead.

■ 30.9706, 36.2979,
89.3783

■ 30.9706, 36.2979,
89.3783

298.2321,
330.2607, 546.5242

■ 20.7282, 24.6644,
66.8943

■ 60.5699, 69.4916,
148.4025

■ 13.0368, 15.8272,
48.5377

■ 80.6576, 91.8206,
185.7798

■ 7.5311, 9.4019,
33.8899

■ 104.7576,
118.4835, 228.9586

■ 3.8456, 5.0043,
22.5323

■ 133.2355,
149.8647, 278.3574

■ 1.6152, 2.2498,
14.0465

■ 166.4565,
186.3486, 334.3949

■ 0.4023, 0.7469,
8.0139

204.7861,

■ 0.0000, 0.0000,

228.3197, 397.4895

4.0159

248.5895,
276.1623, 468.0597

■ 0.0000, 0.0000,
1.6341

■ 0.0000, 0.0000,
0.3150

■ 30.9706, 36.2979,
89.3783

■ 30.9706, 36.2979,
89.3783

■ 30.9671, 36.2908,
89.3779

■ 32.7122, 39.2120,
89.8498

■ 34.9976, 42.5090,
90.3657

■ 37.9768, 46.2681,
90.9342

■ 41.7390, 50.5367,
91.5599

■ 46.3594, 55.3550,
92.2464

■ 51.9036, 60.7581,
92.9971

■ 58.4307, 66.7779,
93.8150

■ 65.9946, 73.4434,
94.7029

■ 74.6450, 80.7817,
95.6634

Harmonies

Analogous

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



25.7318, 36.2979, 72.9276



30.9706, 36.2979, 89.3783



37.9101, 36.2979, 89.8467

Triad

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



30.9706, 36.2979, 89.3783



49.2471, 36.2979, 30.7961



25.9453, 36.2979, 17.8472

Complementary

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



30.9706, 36.2979, 89.3783



38.7512, 23.1426, 2.4266

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.



31.3009, 36.2979, 12.7098



30.9706, 36.2979, 89.3783



45.0633, 36.2979, 18.2872

Square

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



30.9706, 36.2979, 89.3783



49.1270, 36.2979, 50.9486



38.2880, 36.2979, 12.8376



23.1094, 36.2979, 29.9464

Rectangle

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



30.9706, 36.2979, 89.3783



42.6290, 36.2979, 80.6895



38.2880, 36.2979, 12.8376



27.4763, 36.2979, 15.4634

Sweetspot

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



30.9719, 36.2991, 89.3792



65.7155, 75.1251, 105.6448



32.8157, 63.9303, 16.1785



13.3720, 15.4485, 22.5270



0.0000, 0.0000, 0.0000



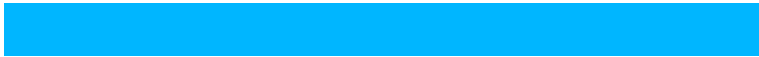
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9719, 36.2991, 89.3792



34.8339, 40.7878, 100.6446



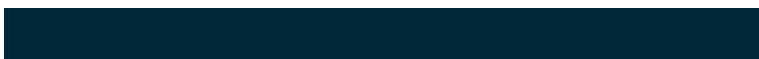
17.2780, 8.9113, 84.8146



15.8443, 17.1227, 20.1915



16.7579, 19.7401, 48.0549



1.4784, 1.8108, 4.0258

Inverse Universe

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



44.1621, 21.8962, 41.4348



49.7117, 24.6487, 46.5415



54.9419, 55.5241, 7.8235



16.2508, 15.9500, 18.8772



23.7843, 11.7861, 22.5782



2.0212, 0.9975, 2.1024

Previews

White Background



This preview shows how the XYZ color 30.9706, 36.2979, 89.3783 looks on a white background.

Color Contrast Check

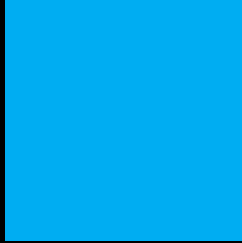
Large Text (above 18pt) WCAG AA × Fail

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 30.9706, 36.2979, 89.3783 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

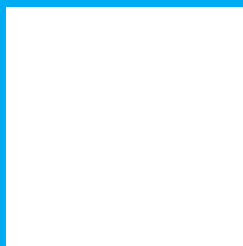
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9706, 36.2979, 89.3783

Background



This preview shows how black text looks on a background with the XYZ color 30.9706, 36.2979, 89.3783.



This preview shows how white text looks on a background with the XYZ color 30.9706, 36.2979,

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

30.9706, 36.2979, 89.3783

Protanopia

37.3285, 35.9984, 79.8439

Deuteranopia

37.1115, 36.1473, 91.4073



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

30.9706, 36.2979, 89.3783

Protanomaly

32.1512, 34.5661, 82.8193

Deuteranomaly

32.8448, 35.0197, 90.6163

Tritanomaly

27.4800, 36.1474, 67.1568

Monochromacy



Original Color

30.9706, 36.2979, 89.3783

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8608, 24.9469, 41.7460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9706, 36.2979, 89.3783 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, 173, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 242)  
}
```

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, 173, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 242) }
```

Border

The CSS property to change the border of an element to XYZ 30.9706, 36.2979, 89.3783 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, 173, 242) }
```


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

```
.border{ border-color:rgb(0, 173, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9706, 36.2979, 89.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 242) }
```

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

```
.background{ background-color: rgb(0, 173,  
242) }
```

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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