

Converting Colors

XYZ(29.0120, 33.5322, 85.1747)

Have a look what the booklet for
XYZ(29.0120, 33.5322, 85.1747)
contains.

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Color

**XYZ(28.9223, 33.3869,
85.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6ED
RGB	0, 166, 237
RGB Percent	0%, 65%, 93%
CMY	0.9997, 0.3490, 0.0706
CMYK	1.00, 0.30, 0.00, 0.07
HSL	198°, 100%, 46%
HSV	198°, 100%, 93%
XYZ	28.9223, 33.3869, 85.0407
YIQ	124.4600, -121.7270, -13.1110

Conversions

Conversions Part 2

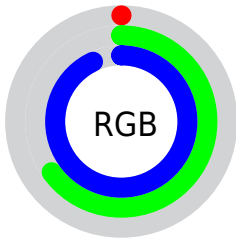
Format	Color
RYB	0, 98, 237
Decimal	42733
CIELab	64.47, -10.56, -45.44
CIELCh	64, 46.649, 256.916
Yxy	33.3869, 0.1963, 0.2266
Android (android.graphics.Color)	4278232813 (0xFF00A6ED)
YUV	124.4600, 55.4822, -109.1514
Hunter-Lab	57.7814, -11.7698, -46.8140

Details

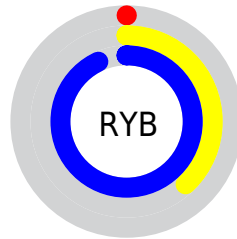
The XYZ color **28.9223, 33.3869, 85.0407** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **37.1830, 22.5194, 2.3888**, and the grayscale version is **19.1681, 20.1664, 21.9612**.

A 20% lighter version of the original color is **50.0908, 62.1210, 103.9582**, and **14.3578, 15.3708, 45.9262** is the 20% darker color. If you saturate the color by 10%, you get **28.9192, 33.3805, 85.0403**, and if you desaturate by 10%, it is **30.6208, 36.2327, 85.5012**.

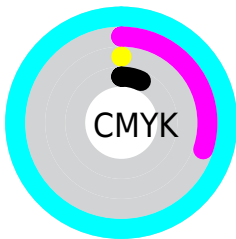
Distribution



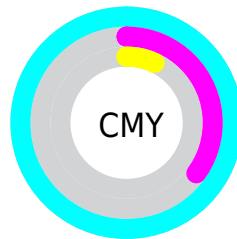
- Red (0%)
- Green (65%)
- Blue (93%)



- Red (0%)
- Yellow (38%)
- Blue (93%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9223, 33.3869, 85.0407 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 28.9223, 33.3869, 85.0407 by changing the saturation by 10% instead.

■ 28.9223, 33.3869,
85.0407

■ 28.9223, 33.3869,
85.0407

288.8490,
317.3895, 531.9108

■ 19.1660, 22.4230,
63.3247

■ 57.3520, 64.9791,
142.3047

■ 11.8950, 14.1680,
45.6612

■ 76.7562, 86.3762,
178.6898

■ 6.7439, 8.2376,
31.6318

■ 100.1071,
112.0198, 220.8016

■ 3.3474, 4.2474,
20.8180

■ 127.7699,
142.2944, 269.0587

■ 1.3400, 1.8129,
12.8011

■ 160.1102,
177.5842, 323.8796

■ 0.2129, 0.4952,
7.1626

197.4933,

■ 0.0000, 0.0000,

218.2737, 385.6829

3.4840

240.2844,
264.7474, 454.8872

■ 0.0000, 0.0000,
1.3468

■ 0.0000, 0.0000,
0.0997

■ 28.9223, 33.3869,
85.0407

■ 28.9223, 33.3869,
85.0407

■ 28.9192, 33.3805,
85.0403

■ 30.6208, 36.2327,
85.5012

■ 32.8428, 39.4555,
86.0061

■ 35.7325, 43.1315,
86.5634

■ 39.3745, 47.3062,
87.1772

■ 43.8404, 52.0177,
87.8513

■ 49.1927, 57.3000,
88.5887

■ 55.4877, 63.1835,
89.3926

■ 62.7767, 69.6960,
90.2655

■ 71.1071, 76.8636,
91.2099

Harmonies

Analogous

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



23.7667, 33.3869, 70.2468



28.9223, 33.3869, 85.0407



35.6063, 33.3869, 83.9272

Triad

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



28.9223, 33.3869, 85.0407



45.6259, 33.3869, 26.6933



23.2709, 33.3869, 16.6184

Complementary

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



28.9223, 33.3869, 85.0407



37.1830, 22.5194, 2.3888

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.



28.1518, 33.3869, 11.3466



28.9223, 33.3869, 85.0407



41.3065, 33.3869, 15.6105

Square

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



28.9223, 33.3869, 85.0407



45.9088, 33.3869, 45.3009



34.7207, 33.3869, 11.0570



20.8248, 33.3869, 28.6679

Rectangle

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



28.9223, 33.3869, 85.0407



40.0613, 33.3869, 74.2548



34.7207, 33.3869, 11.0570



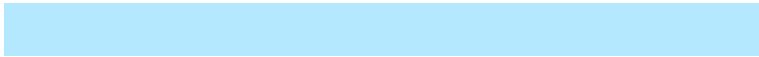
24.6476, 33.3869, 14.2112

Sweetspot

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



28.9236, 33.3880, 85.0416



65.4032, 74.5005, 105.5407



31.3043, 60.9769, 15.4610



13.2971, 15.2987, 22.5021



0.0000, 0.0000, 0.0000



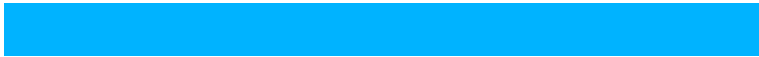
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9236, 33.3880, 85.0416



34.0876, 39.2953, 100.3959



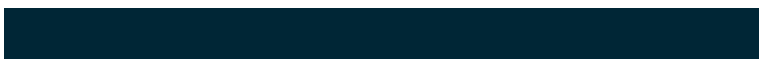
16.4884, 8.5177, 80.8965



15.1145, 16.3155, 19.2748



15.9089, 18.4647, 46.4685



1.3327, 1.6168, 3.6767

Inverse Universe

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



41.8092, 20.7593, 37.8806



49.3351, 24.4980, 44.5580



52.4141, 52.9816, 7.4658



15.5114, 15.2324, 17.9781



22.8854, 11.3568, 20.9954



1.8392, 0.9086, 1.8704

Previews

White Background



This preview shows how the XYZ color 28.9223, 33.3869, 85.0407 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 28.9223, 33.3869, 85.0407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

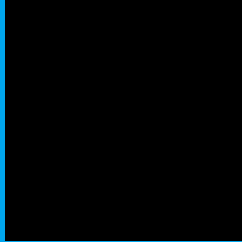
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9223, 33.3869, 85.0407

Background



This preview shows how black text looks on a background with the XYZ color 28.9223, 33.3869, 85.0407.

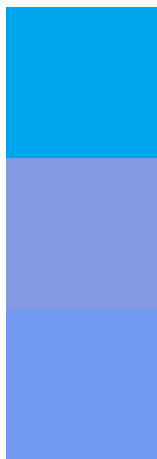


This preview shows how white text looks on a background with the XYZ color 28.9223, 33.3869,

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

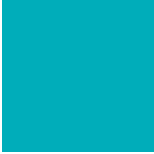
28.9223, 33.3869, 85.0407

Protanopia

34.4788, 33.0987, 76.5230

Deuteranopia

34.2596, 33.2447, 87.0493



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

28.9223, 33.3869, 85.0407

Protanomaly

30.0771, 32.0059, 79.4554

Deuteranomaly

30.6506, 32.4060, 86.3009

Tritanomaly

25.3942, 33.1572, 62.8192

Monochromacy



Original Color

28.9223, 33.3869, 85.0407

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2486, 22.8441, 38.9922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9223, 33.3869, 85.0407 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, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 237)  
}
```

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, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 237) }
```

Border

The CSS property to change the border of an element to XYZ 28.9223, 33.3869, 85.0407 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, 166, 237) }
```


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

```
.border{ border-color:rgb(0, 166, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9223, 33.3869, 85.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 237) }
```

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

```
.background{ background-color: rgb(0, 166,  
237) }
```

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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