

Converting Colors

XYZ(16.3990, 25.7845, 83.4332)

Have a look what the booklet for
XYZ(16.3990, 25.7845, 83.4332)
contains.

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Color

**XYZ(28.0607, 31.8968,
84.0346)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2EC
RGB	0, 162, 236
RGB Percent	0%, 64%, 93%
CMY	0.9997, 0.3647, 0.0745
CMYK	1.00, 0.31, 0.00, 0.07
HSL	199°, 100%, 46%
HSV	199°, 100%, 93%
XYZ	28.0607, 31.8968, 84.0346
YIQ	121.9980, -120.3060, -11.3300

Conversions

Conversions Part 2

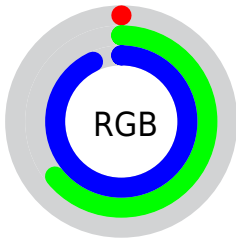
Format	Color
RYB	0, 96, 236
Decimal	41708
CIELab	63.26, -8.69, -46.80
CIELCh	63, 47.605, 259.477
Yxy	31.8968, 0.1949, 0.2215
Android (android.graphics.Color)	4278231788 (0xFF00A2EC)
YUV	121.9980, 56.2030, -106.9922
Hunter-Lab	56.4773, -10.1475, -48.6857

Details

The XYZ color **28.0607, 31.8968, 84.0346** 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 **37.0461, 22.7398, 2.4387**, and the grayscale version is **18.3557, 19.3116, 21.0303**.

A 20% lighter version of the original color is **49.0472, 60.0339, 103.6104**, and **13.9227, 14.6642, 45.2767** is the 20% darker color. If you saturate the color by 10%, you get **28.0572, 31.8898, 84.0341**, and if you desaturate by 10%, it is **29.7725, 34.7727, 84.5002**.

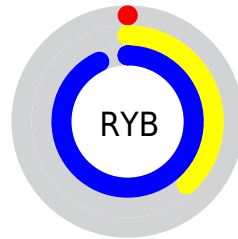
Distribution



Red (0%)

Green (64%)

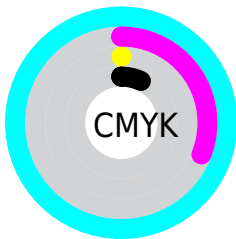
Blue (93%)



Red (0%)

Yellow (38%)

Blue (93%)

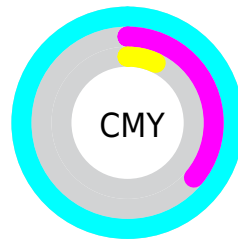


Cyan (100%)

Magenta (31%)

Yellow (0%)

Black (7%)



Cyan (100%)

Magenta (36%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0607, 31.8968, 84.0346 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 28.0607, 31.8968, 84.0346 by changing the saturation by 10% instead.

■ 28.0607, 31.8968,
84.0346

■ 28.0607, 31.8968,
84.0346

284.8317,
310.6489, 528.4892

■ 18.5121, 21.2827,
62.4984

■ 55.9893, 62.6493,
140.8857

■ 11.4202, 13.3308,
44.9972

■ 75.1000, 83.5564,
177.0378

■ 6.4196, 7.6567,
31.1123

■ 98.1288, 108.6634,
218.8989

■ 3.1449, 3.8761,
20.4252

■ 125.4411,
138.3545, 266.8876

■ 1.2309, 1.6045,
12.5173

■ 157.4021,
173.0142, 321.4225

■ 0.1305, 0.3606,
6.9702

194.3774,

■ 0.0000, 0.0000,

213.0269, 382.9220

3.3653

236.7321,
258.7770, 451.8047

■ 0.0000, 0.0000,
1.2841

■ 0.0000, 0.0000,
0.0487

■ 28.0607, 31.8968,
84.0346

■ 28.0607, 31.8968,
84.0346

■ 28.0572, 31.8898,
84.0341

■ 29.7725, 34.7727,
84.5002

■ 32.0090, 38.0345,
85.0119

■ 34.9131, 41.7582,
85.5776

■ 38.5689, 45.9889,
86.2015

■ 43.0473, 50.7650,
86.8873

■ 48.4103, 56.1200,
87.6383

■ 54.7137, 62.0846,
88.4574

■ 62.0085, 68.6866,
89.3472

■ 70.3418, 75.9519,
90.3103

Harmonies

Analogous

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



22.8052, 31.8968, 70.2719



28.0607, 31.8968, 84.0346



34.7421, 31.8968, 81.4190

Triad

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



28.0607, 31.8968, 84.0346



43.9039, 31.8968, 23.9793



21.6675, 31.8968, 16.0818

Complementary

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



28.0607, 31.8968, 84.0346



37.0461, 22.7398, 2.4387

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.



26.2845, 31.8968, 10.5190



28.0607, 31.8968, 84.0346



39.3199, 31.8968, 13.8009

Square

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



28.0607, 31.8968, 84.0346



44.5626, 31.8968, 41.7899



32.6910, 31.8968, 9.8714



19.4856, 31.8968, 28.5140

Rectangle

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



28.0607, 31.8968, 84.0346



39.1094, 31.8968, 70.9558



32.6910, 31.8968, 9.8714



22.9522, 31.8968, 13.5719

Sweetspot

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



28.0619, 31.8978, 84.0354



65.1026, 73.8994, 105.4405



31.1290, 60.4448, 15.9621



13.2251, 15.1547, 22.4781



0.0000, 0.0000, 0.0000



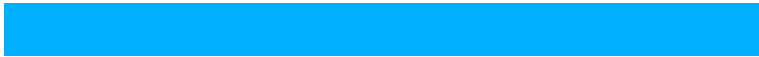
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0619, 31.8978, 84.0354



33.3839, 37.8877, 100.1613



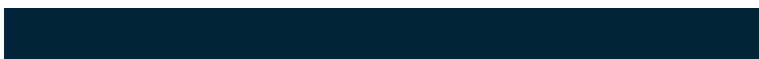
16.1681, 8.1101, 80.0708



15.0961, 16.2786, 19.2687



15.5864, 17.8199, 46.3611



1.3093, 1.5700, 3.6689

Inverse Universe

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



41.1148, 20.4432, 35.9621



48.9798, 24.3559, 42.6874



52.7505, 54.1486, 7.6735



15.5020, 15.2287, 17.9291



22.7226, 11.2917, 20.1384



1.8274, 0.9039, 1.8083

Previews

White Background



This preview shows how the XYZ color 28.0607, 31.8968, 84.0346 looks on a white background.

Color Contrast Check

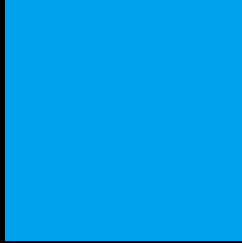
Large Text (above 18pt) WCAG AA × Fail

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 28.0607, 31.8968, 84.0346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

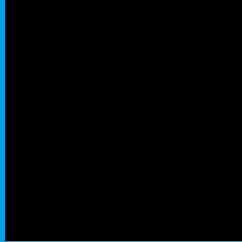
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

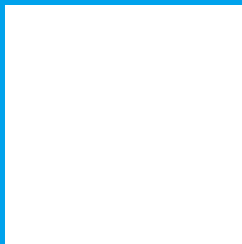
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0607, 31.8968, 84.0346

Background



This preview shows how black text looks on a background with the XYZ color 28.0607, 31.8968, 84.0346.

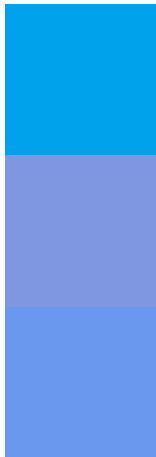


This preview shows how white text looks on a background with the XYZ color 28.0607, 31.8968,

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

28.0607, 31.8968, 84.0346

Protanopia

33.2493, 31.7610, 75.6122

Deuteranopia

32.6047, 31.6937, 85.2880



Tritanopia

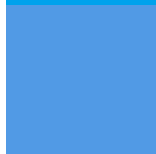
22.6315, 31.7533, 49.1922

Trichromacy



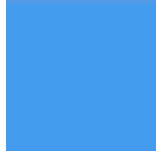
Original Color

28.0607, 31.8968, 84.0346



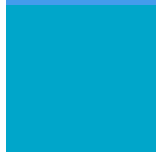
Protanomaly

29.0918, 30.5177, 78.4859



Deuteranomaly

29.4893, 31.0847, 84.5665



Tritanomaly

24.2969, 31.5367, 60.6837

Monochromacy



Original Color

28.0607, 31.8968, 84.0346



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.6984, 22.1554, 37.9412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0607, 31.8968, 84.0346 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, 162, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 236)  
}
```

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, 162, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 236) }
```

Border

The CSS property to change the border of an element to XYZ 28.0607, 31.8968, 84.0346 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, 162, 236) }
```


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

```
.border{ border-color:rgb(0, 162, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0607, 31.8968, 84.0346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 236) }
```

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

```
.background{ background-color: rgb(0, 162,  
236) }
```

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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