

Converting Colors

XYZ(28.2435, 31.9704, 84.9962)

Have a look what the booklet for
XYZ(28.2435, 31.9704, 84.9962)
contains.

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Color

**XYZ(28.2064, 31.9551,
84.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2ED
RGB	0, 162, 237
RGB Percent	0%, 64%, 93%
CMY	0.9997, 0.3647, 0.0706
CMYK	1.00, 0.32, 0.00, 0.07
HSL	199°, 100%, 46%
HSV	199°, 100%, 93%
XYZ	28.2064, 31.9551, 84.8021
YIQ	122.1120, -120.6270, -11.0190

Conversions

Conversions Part 2

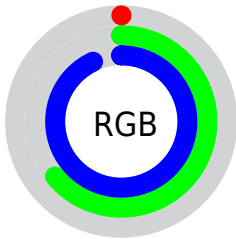
Format	Color
RYB	0, 96, 237
Decimal	41709
CIELab	63.31, -8.33, -47.28
CIELCh	63, 48.005, 260.011
Yxy	31.9551, 0.1946, 0.2204
Android (android.graphics.Color)	4278231789 (0xFF00A2ED)
YUV	122.1120, 56.6398, -107.0922
Hunter-Lab	56.5288, -9.8587, -49.3741

Details

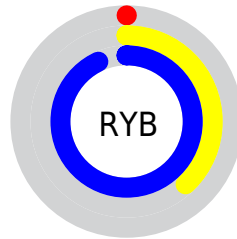
The XYZ color **28.2064, 31.9551, 84.8021** is a dark color, and the websafe version is hex **3399CC**, and the color name is **microsoft blue**. The color can be described as middle washed azure. A complement of this color would be **37.4461, 23.0456, 2.4765**, and the grayscale version is **18.3910, 19.3488, 21.0708**.

A 20% lighter version of the original color is **49.0472, 60.0339, 103.6104**, and **14.0249, 14.7051, 45.8152** is the 20% darker color. If you saturate the color by 10%, you get **28.2032, 31.9485, 84.8017**, and if you desaturate by 10%, it is **29.9392, 34.8695, 85.2740**.

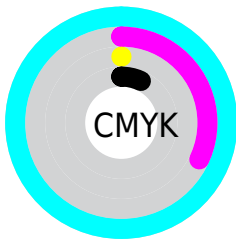
Distribution



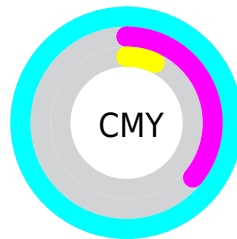
- Red (0%)
- Green (64%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2064, 31.9551, 84.8021 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 28.2064, 31.9551, 84.8021 by changing the saturation by 10% instead.

■ 28.2064, 31.9551,
84.8021

■ 28.2064, 31.9551,
84.8021

285.5141,
310.9147, 531.1005

■ 18.6226, 21.3272,
63.1287

■ 56.2201, 62.7407,
141.9684

■ 11.5002, 13.3634,
45.5036

■ 75.3807, 83.6672,
178.2983

■ 6.4741, 7.6793,
31.5085

■ 98.4643, 108.7953,
220.3507

■ 3.1788, 3.8904,
20.7246

■ 125.8362,
138.5095, 268.5443

■ 1.2490, 1.6124,
12.7336

■ 157.8618,
173.1942, 323.2975

■ 0.1446, 0.3660,
7.1168

194.9064,

■ 0.0000, 0.0000,

213.2336, 385.0289

3.4557

237.3354,
259.0123, 454.1571

■ 0.0000, 0.0000,
1.3318

■ 0.0000, 0.0000,
0.0876

■ 28.2064, 31.9551,
84.8021

■ 28.2064, 31.9551,
84.8021

■ 28.2032, 31.9485,
84.8017

■ 29.9392, 34.8695,
85.2740

■ 32.2033, 38.1764,
85.7930

■ 35.1429, 41.9525,
86.3669

■ 38.8432, 46.2436,
87.0001

■ 43.3757, 51.0883,
87.6964

■ 48.8031, 56.5209,
88.4589

■ 55.1820, 62.5721,
89.2907

■ 62.5637, 69.2703,
90.1945

■ 70.9961, 76.6417,
91.1729

Harmonies

Analogous

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



22.8690, 31.9551, 71.1009



28.2064, 31.9551, 84.8021



34.9649, 31.9551, 81.8365

Triad

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



28.2064, 31.9551, 84.8021



44.0522, 31.9551, 23.6995



21.5855, 31.9551, 16.1569

Complementary

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



28.2064, 31.9551, 84.8021



37.4461, 23.0456, 2.4765

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.



26.2007, 31.9551, 10.4698



28.2064, 31.9551, 84.8021



39.3600, 31.9551, 13.5916

Square

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



28.2064, 31.9551, 84.8021



44.7976, 31.9551, 41.5454



32.6465, 31.9551, 9.7433



19.4329, 31.9551, 28.8162

Rectangle

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



28.2064, 31.9551, 84.8021



39.3645, 31.9551, 71.0865



32.6465, 31.9551, 9.7433



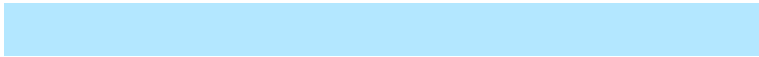
22.8659, 31.9551, 13.5964

Sweetspot

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



28.2076, 31.9561, 84.8029



65.0408, 73.7757, 105.4199



31.4273, 61.0261, 16.1086



13.2103, 15.1251, 22.4731



0.0000, 0.0000, 0.0000



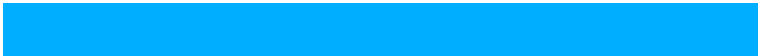
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2076, 31.9561, 84.8029



33.2408, 37.6016, 100.1136



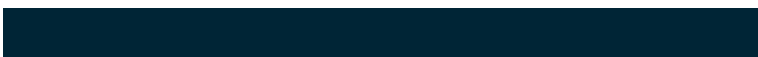
16.3217, 8.1842, 80.8409



15.0923, 16.2710, 19.2674



15.5208, 17.6887, 46.3392



1.3045, 1.5605, 3.6673

Inverse Universe

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



41.4478, 20.6148, 35.9777



48.9076, 24.3270, 42.3071



53.2556, 54.6646, 7.7463



15.5001, 15.2279, 17.9190



22.6895, 11.2785, 19.9641



1.8250, 0.9029, 1.7956

Previews

White Background



This preview shows how the XYZ color 28.2064, 31.9551, 84.8021 looks on a white background.

Color Contrast Check

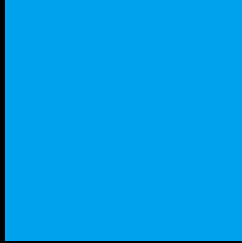
Large Text (above 18pt) WCAG AA × Fail

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 28.2064, 31.9551, 84.8021 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

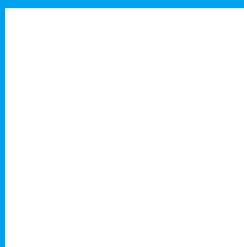
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2064, 31.9551, 84.8021

Background



This preview shows how black text looks on a background with the XYZ color 28.2064, 31.9551, 84.8021.



This preview shows how white text looks on a background with the XYZ color 28.2064, 31.9551,

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

28.2064, 31.9551, 84.8021

Protanopia

33.3757, 31.7944, 77.0509

Deuteranopia

32.6339, 31.6917, 86.0585



Tritanopia

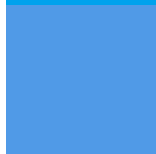
22.6315, 31.7533, 49.1922

Trichromacy



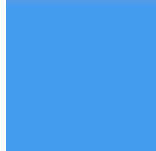
Original Color

28.2064, 31.9551, 84.8021



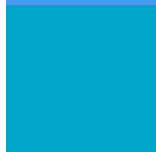
Protanomaly

29.2877, 30.5862, 79.9614



Deuteranomaly

29.6358, 31.1433, 85.3382



Tritanomaly

24.2969, 31.5367, 60.6837

Monochromacy



Original Color

28.2064, 31.9551, 84.8021



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.7884, 22.1914, 38.4151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2064, 31.9551, 84.8021 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 237) }
```

Border

The CSS property to change the border of an element to XYZ 28.2064, 31.9551, 84.8021 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, 237) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2064, 31.9551, 84.8021 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, 237) }
```

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

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