

Converting Colors

XYZ(28.4396, 32.3864, 84.9880)

Have a look what the booklet for
XYZ(28.4396, 32.3864, 84.9880)
contains.

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Color

**XYZ(28.3833, 32.3088,
84.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3ED
RGB	0, 163, 237
RGB Percent	0%, 64%, 93%
CMY	0.9997, 0.3608, 0.0706
CMYK	1.00, 0.31, 0.00, 0.07
HSL	199°, 100%, 46%
HSV	199°, 100%, 93%
XYZ	28.3833, 32.3088, 84.8610
YIQ	122.6990, -120.9020, -11.5420

Conversions

Conversions Part 2

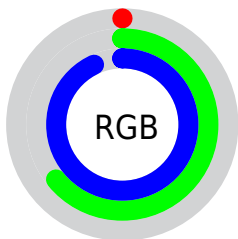
Format	Color
RYB	0, 97, 237
Decimal	41965
CIELab	63.60, -8.89, -46.82
CIELCh	64, 47.654, 259.251
Yxy	32.3088, 0.1950, 0.2220
Android (android.graphics.Color)	4278232045 (0xFF00A3ED)
YUV	122.6990, 56.3504, -107.6070
Hunter-Lab	56.8408, -10.3380, -48.7289

Details

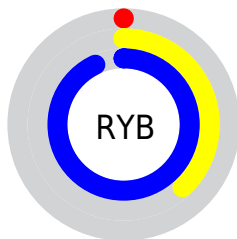
The XYZ color **28.3833, 32.3088, 84.8610** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **37.3792, 22.9117, 2.4543**, and the grayscale version is **18.5841, 19.5519, 21.2920**.

A 20% lighter version of the original color is **49.3057, 60.5510, 103.6966**, and **14.1347, 14.9245, 45.8518** is the 20% darker color. If you saturate the color by 10%, you get **28.3797, 32.3016, 84.8605**, and if you desaturate by 10%, it is **30.1080, 35.2069, 85.3302**.

Distribution



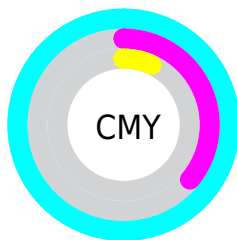
- Red (0%)
- Green (64%)
- Blue (93%)



- 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 28.3833, 32.3088, 84.8610 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 28.3833, 32.3088, 84.8610 by changing the saturation by 10% instead.

■ 28.3833, 32.3088,
84.8610

■ 28.3833, 32.3088,
84.8610

286.3409,
312.5235, 531.3006

■ 18.7567, 21.5975,
63.1770

■ 56.5002, 63.2949,
142.0514

■ 11.5976, 13.5614,
45.5425

■ 75.7212, 84.3384,
178.3949

■ 6.5405, 7.8163,
31.5389

■ 98.8711, 109.5948,
220.4620

■ 3.2202, 3.9776,
20.7477

■ 126.3152,
139.4485, 268.6713

■ 1.2713, 1.6610,
12.7502

■ 158.4189,
174.2838, 323.4413

■ 0.1615, 0.3982,
7.1281

195.5475,

■ 0.0000, 0.0000,

214.4851, 385.1904

3.4627

238.0664,
260.4369, 454.3374

■ 0.0000, 0.0000,
1.3355

■ 0.0000, 0.0000,
0.0906

■ 28.3833, 32.3088,
84.8610

■ 28.3833, 32.3088,
84.8610

■ 28.3797, 32.3016,
84.8605

■ 30.1080, 35.2069,
85.3302

■ 32.3621, 38.4936,
85.8458

■ 35.2898, 42.2455,
86.4157

■ 38.9760, 46.5082,
87.0442

■ 43.4923, 51.3203,
87.7350

■ 48.9014, 56.7159,
88.4913

■ 55.2598, 62.7258,
89.3162

■ 62.6187, 69.3781,
90.2124

■ 71.0260, 76.6990,
91.1823

Harmonies

Analogous

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



23.0905, 32.3088, 70.8845



28.3833, 32.3088, 84.8610



35.1235, 32.3088, 82.3570

Triad

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



28.3833, 32.3088, 84.8610



44.4422, 32.3088, 24.4268



21.9990, 32.3088, 16.2702

Complementary

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



28.3833, 32.3088, 84.8610



37.3792, 22.9117, 2.4543

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.



26.6800, 32.3088, 10.6840



28.3833, 32.3088, 84.8610



39.8411, 32.3088, 14.0793

Square

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



28.3833, 32.3088, 84.8610



45.0733, 32.3088, 42.4659



33.1574, 32.3088, 10.0612



19.7747, 32.3088, 28.7770

Rectangle

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



28.3833, 32.3088, 84.8610



39.5370, 32.3088, 71.8717



33.1574, 32.3088, 10.0612



23.3031, 32.3088, 13.7474

Sweetspot

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



28.3845, 32.3098, 84.8618



65.1309, 73.9560, 105.4499



31.4275, 61.0262, 16.1093



13.2319, 15.1683, 22.4803



0.0000, 0.0000, 0.0000



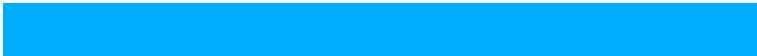
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3845, 32.3098, 84.8618



33.4496, 38.0191, 100.1832



16.3219, 8.1847, 80.8410



15.0978, 16.2821, 19.2693



15.6165, 17.8801, 46.3711



1.3115, 1.5744, 3.6696

Inverse Universe

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



41.5371, 20.6506, 36.4477



49.0130, 24.3692, 42.8620



53.2559, 54.6651, 7.7466



15.5029, 15.2290, 17.9337



22.7378, 11.2978, 20.2184



1.8285, 0.9044, 1.8141

Previews

White Background



This preview shows how the XYZ color 28.3833, 32.3088, 84.8610 looks on a white background.

Color Contrast Check

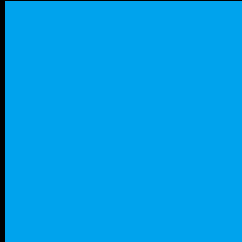
Large Text (above 18pt) WCAG AA × Fail

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 28.3833, 32.3088, 84.8610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

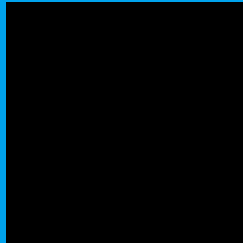
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3833, 32.3088, 84.8610

Background



This preview shows how black text looks on a background with the XYZ color 28.3833, 32.3088, 84.8610.



This preview shows how white text looks on a background with the XYZ color 28.3833, 32.3088,

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

28.3833, 32.3088, 84.8610

Protanopia

33.5465, 32.1362, 76.3863

Deuteranopia

33.0346, 32.1403, 86.1239

Trichromacy



Original Color

28.3833, 32.3088, 84.8610

Protanomaly

29.3976, 30.9052, 79.2788

Deuteranomaly

29.8735, 31.5159, 85.3976

Monochromacy



Original Color

28.3833, 32.3088, 84.8610

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9312, 22.4770, 38.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3833, 32.3088, 84.8610 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, 163, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 237) }
```

Border

The CSS property to change the border of an element to XYZ 28.3833, 32.3088, 84.8610 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, 163, 237) }
```

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

```
.border{ border-color:rgb(0, 163, 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, 163, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
237) }
```


Background

The CSS property to change the background color of an element to XYZ 28.3833, 32.3088, 84.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 237) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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