

Converting Colors

XYZ(17.8144, 27.6947, 82.2697)

Have a look what the booklet for
XYZ(17.8144, 27.6947, 82.2697)
contains.

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Color

**XYZ(28.4875, 33.2129,
82.7512)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6EA
RGB	0, 166, 234
RGB Percent	0%, 65%, 92%
CMY	0.9997, 0.3490, 0.0823
CMYK	1.00, 0.29, 0.00, 0.08
HSL	197°, 100%, 46%
HSV	197°, 100%, 92%
XYZ	28.4875, 33.2129, 82.7512
YIQ	124.1180, -120.7640, -14.0440

Conversions

Conversions Part 2

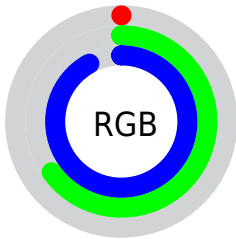
Format	Color
RYB	0, 97, 234
Decimal	42730
CIELab	64.33, -11.65, -44.01
CIELCh	64, 45.527, 255.173
Yxy	33.2129, 0.1972, 0.2299
Android (android.graphics.Color)	4278232810 (0xFF00A6EA)
YUV	124.1180, 54.1718, -108.8515
Hunter-Lab	57.6306, -12.6190, -44.7924

Details

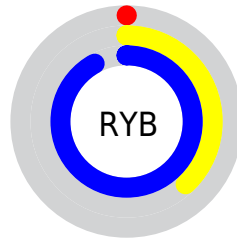
The XYZ color **28.4875, 33.2129, 82.7512** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **36.0034, 21.6348, 2.2802**, and the grayscale version is **19.0583, 20.0508, 21.8354**.

A 20% lighter version of the original color is **49.9699, 62.0587, 103.9526**, and **14.0532, 15.2490, 44.3221** is the 20% darker color. If you saturate the color by 10%, you get **28.4845, 33.2067, 82.7509**, and if you desaturate by 10%, it is **30.1214, 35.9401, 83.1922**.

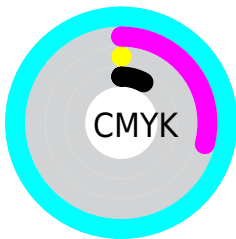
Distribution



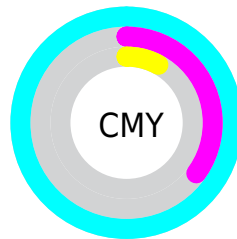
- Red (0%)
- Green (65%)
- Blue (92%)



- Red (0%)
- Yellow (38%)
- Blue (92%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4875, 33.2129, 82.7512 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 28.4875, 33.2129, 82.7512 by changing the saturation by 10% instead.

■ 28.4875, 33.2129,
82.7512

■ 28.4875, 33.2129,
82.7512

286.8271,
316.6080, 524.1062

■ 18.8358, 22.2896,
61.4455

■ 56.6650, 64.7078,
139.0731

■ 11.6550, 14.0698,
44.1519

■ 75.9216, 86.0481,
174.9263

■ 6.5797, 8.1693,
30.4519

■ 99.1105, 111.6296,
216.4658

■ 3.2447, 4.2034,
19.9269

■ 126.5970,
141.8367, 264.1101

■ 1.2844, 1.7880,
12.1584

■ 158.7466,
177.0536, 318.2778

■ 0.1715, 0.4797,
6.7278

195.9246,

■ 0.0000, 0.0000,

217.6649, 379.3873

3.2166

238.4963,
264.0549, 447.8573

■ 0.0000, 0.0000,
1.2063

■ 0.0000, 0.0000,
0.0000

■ 28.4875, 33.2129,
82.7512

■ 28.4875, 33.2129,
82.7512

■ 28.4845, 33.2067,
82.7509

■ 30.1214, 35.9401,
83.1922

■ 32.2592, 39.0251,
83.6750

■ 35.0412, 42.5421,
84.2072

■ 38.5495, 46.5350,
84.7930

■ 42.8531, 51.0405,
85.4358

■ 48.0127, 56.0914,
86.1388

■ 54.0826, 61.7170,
86.9047

■ 61.1126, 67.9441,
87.7362

■ 69.1485, 74.7977,
88.6355

Harmonies

Analogous

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



23.5783, 33.2129, 67.8099



28.4875, 33.2129, 82.7512



34.9404, 33.2129, 82.6543

Triad

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



28.4875, 33.2129, 82.7512



45.1750, 33.2129, 27.6094



23.5345, 33.2129, 16.3990

Complementary

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



28.4875, 33.2129, 82.7512



36.0034, 21.6348, 2.2802

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.



28.4196, 33.2129, 11.5097



28.4875, 33.2129, 82.7512



41.1847, 33.2129, 16.3092

Square

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



28.4875, 33.2129, 82.7512



45.1998, 33.2129, 46.0778



34.8626, 33.2129, 11.4837



20.9959, 33.2129, 27.7837

Rectangle

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



28.4875, 33.2129, 82.7512



39.2977, 33.2129, 73.8465



34.8626, 33.2129, 11.4837



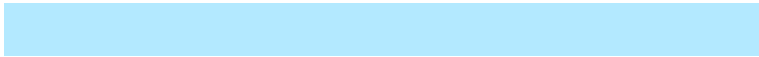
24.9246, 33.2129, 14.1442

Sweetspot

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



28.4887, 33.2140, 82.7521



65.5970, 74.8882, 105.6053



30.4175, 59.2441, 15.0401



13.3436, 15.3916, 22.5176



0.0000, 0.0000, 0.0000



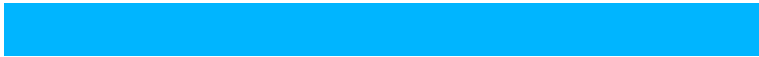
20.3446, 21.4041, 23.3091

Same Dimension

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



28.4887, 33.2140, 82.7521



34.5490, 40.2181, 100.5497



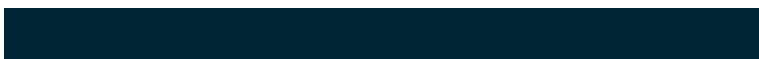
16.0252, 8.2870, 78.5975



15.1264, 16.3392, 19.2788



16.1201, 18.8872, 46.5389



1.3479, 1.6474, 3.6818

Inverse Universe

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



40.8158, 20.2472, 37.8340



49.5680, 24.5912, 45.7844



50.9309, 51.4897, 7.2560



15.5174, 15.2348, 18.0096



22.9920, 11.3995, 21.5569



1.8469, 0.9117, 1.9110

Previews

White Background



This preview shows how the XYZ color 28.4875, 33.2129, 82.7512 looks on a white background.

Color Contrast Check

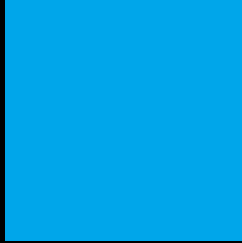
Large Text (above 18pt) WCAG AA × Fail

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 28.4875, 33.2129, 82.7512 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

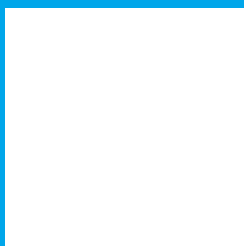
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4875, 33.2129, 82.7512

Background



This preview shows how black text looks on a background with the XYZ color 28.4875, 33.2129, 82.7512.



This preview shows how white text looks on a background with the XYZ color 28.4875, 33.2129,

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

28.4875, 33.2129, 82.7512

Protanopia

34.2262, 33.0157, 74.3808

Deuteranopia

34.0776, 33.2020, 84.7333



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



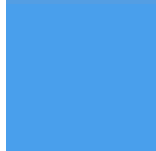
Original Color

28.4875, 33.2129, 82.7512



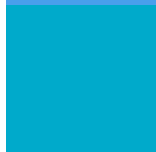
Protanomaly

29.7481, 31.8846, 77.2595



Deuteranomaly

30.2861, 32.2689, 83.9891



Tritanomaly

25.1542, 33.0612, 61.5556

Monochromacy



Original Color

28.4875, 33.2129, 82.7512



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

19.1579, 22.8078, 38.5146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4875, 33.2129, 82.7512 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 234) }
```

Border

The CSS property to change the border of an element to XYZ 28.4875, 33.2129, 82.7512 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, 234) }
```


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

```
.border{ border-color:rgb(0, 166, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4875, 33.2129, 82.7512 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, 234) }
```

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

```
.background{ background-color: rgb(0, 166,  
234) }
```

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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