

Converting Colors

XYZ(25.7730, 31.9188, 81.0360)

Have a look what the booklet for
XYZ(25.7730, 31.9188, 81.0360)
contains.

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Color

**XYZ(28.2017, 33.0986,
81.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6E8
RGB	0, 166, 232
RGB Percent	0%, 65%, 91%
CMY	0.9998, 0.3490, 0.0902
CMYK	1.00, 0.28, 0.00, 0.09
HSL	197°, 100%, 46%
HSV	197°, 100%, 91%
XYZ	28.2017, 33.0986, 81.2462
YIQ	123.8900, -120.1220, -14.6660

Conversions

Conversions Part 2

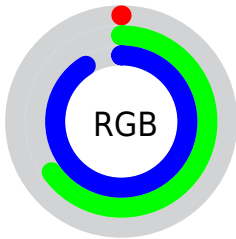
Format	Color
RYB	0, 97, 232
Decimal	42728
CIELab	64.24, -12.38, -43.06
CIELCh	64, 44.800, 253.964
Yxy	33.0986, 0.1978, 0.2322
Android (android.graphics.Color)	4278232808 (0xFF00A6E8)
YUV	123.8900, 53.2982, -108.6515
Hunter-Lab	57.5314, -13.1798, -43.4578

Details

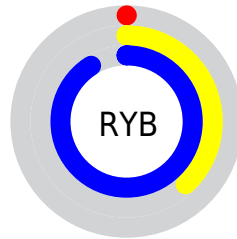
The XYZ color **28.2017, 33.0986, 81.2462** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.2312, 21.0598, 2.2099**, and the grayscale version is **18.9851, 19.9738, 21.7515**.

A 20% lighter version of the original color is **49.9699, 62.0587, 103.9526**, and **13.8538, 15.1692, 43.2721** is the 20% darker color. If you saturate the color by 10%, you get **28.1989, 33.0928, 81.2459**, and if you desaturate by 10%, it is **29.7926, 35.7468, 81.6742**.

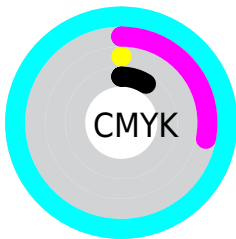
Distribution



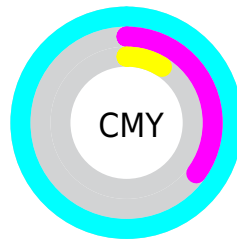
- Red (0%)
- Green (65%)
- Blue (91%)



- Red (0%)
- Yellow (38%)
- Blue (91%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2017, 33.0986, 81.2462 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 28.2017, 33.0986, 81.2462 by changing the saturation by 10% instead.

■ 28.2017, 33.0986,
81.2462

■ 28.2017, 33.0986,
81.2462

285.4921,
316.0938, 518.9399

■ 18.6190, 22.2020,
60.2122

■ 56.2127, 64.5294,
136.9436

■ 11.4977, 14.0054,
43.1633

■ 75.3717, 85.8325,
172.4441

■ 6.4724, 8.1244,
29.6809

■ 98.4535, 111.3731,
213.6038

■ 3.1777, 4.1747,
19.3465

■ 125.8235,
141.5357, 260.8413

■ 1.2484, 1.7717,
11.7416

■ 157.8470,
176.7046, 314.5751

■ 0.1441, 0.4695,
6.4476

194.8893,

■ 0.0000, 0.0000,

217.2644, 375.2238

3.0459

237.3159,
263.5993, 443.2058

■ 0.0000, 0.0000,
1.1181

■ 0.0000, 0.0000,
0.0000

■ 28.2017, 33.0986,
81.2462

■ 28.2017, 33.0986,
81.2462

■ 28.1989, 33.0928,
81.2459

■ 29.7926, 35.7468,
81.6742

■ 31.8745, 38.7404,
82.1423

■ 34.5854, 42.1523,
82.6580

■ 38.0054, 46.0252,
83.2253

■ 42.2023, 50.3951,
83.8476

■ 47.2351, 55.2939,
84.5279

■ 53.1572, 60.7501,
85.2689

■ 60.0170, 66.7900,
86.0731

■ 67.8597, 73.4379,
86.9430

Harmonies

Analogous

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



23.4550, 33.0986, 66.2170



28.2017, 33.0986, 81.2462



34.5025, 33.0986, 81.8107

Triad

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



28.2017, 33.0986, 81.2462



44.8765, 33.0986, 28.2330



23.7129, 33.0986, 16.2562

Complementary

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



28.2017, 33.0986, 81.2462



35.2312, 21.0598, 2.2099

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.



28.6004, 33.0986, 11.6213



28.2017, 33.0986, 81.2462



41.1041, 33.0986, 16.7882

Square

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



28.2017, 33.0986, 81.2462



44.7317, 33.0986, 46.6009



34.9584, 33.0986, 11.7760



21.1120, 33.0986, 27.2068

Rectangle

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



28.2017, 33.0986, 81.2462



38.7951, 33.0986, 73.5733



34.9584, 33.0986, 11.7760



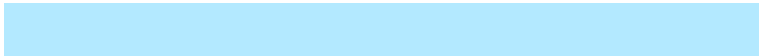
25.1118, 33.0986, 14.1018

Sweetspot

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



28.2029, 33.0997, 81.2470



65.7295, 75.1532, 105.6494



29.8345, 58.1049, 14.7630



13.3754, 15.4552, 22.5281



0.0000, 0.0000, 0.0000



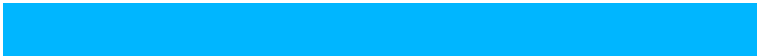
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2029, 33.0997, 81.2470



34.8679, 40.8557, 100.6560



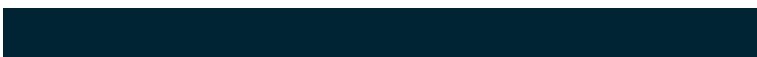
15.7206, 8.1350, 77.0863



14.4427, 15.6069, 18.3955



15.7672, 18.5965, 45.1416



1.2433, 1.5305, 3.3619

Inverse Universe

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



40.1628, 19.9106, 37.8035



49.7289, 24.6556, 46.6319



49.9557, 50.5087, 7.1180



14.8111, 14.5416, 17.2054



22.3521, 11.0750, 21.2807



1.6912, 0.8342, 1.7803

Previews

White Background



This preview shows how the XYZ color 28.2017, 33.0986, 81.2462 looks on a white background.

Color Contrast Check

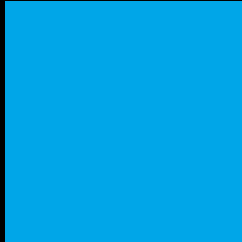
Large Text (above 18pt) WCAG AA × Fail

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 28.2017, 33.0986, 81.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

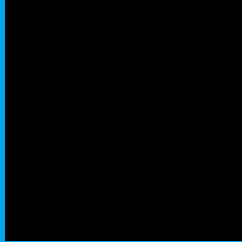
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2017, 33.0986, 81.2462

Background



This preview shows how black text looks on a background with the XYZ color 28.2017, 33.0986, 81.2462.



This preview shows how white text looks on a background with the XYZ color 28.2017, 33.0986,

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

28.2017, 33.0986, 81.2462

Protanopia

33.9522, 32.6635, 72.9218

Deuteranopia

33.7535, 32.8224, 83.1536



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

28.2017, 33.0986, 81.2462

Protanomaly

29.3939, 31.4815, 75.7615

Deuteranomaly

29.9022, 31.8501, 82.4136

Tritanomaly

25.0354, 33.0137, 60.9299

Monochromacy



Original Color

28.2017, 33.0986, 81.2462

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0679, 22.7718, 38.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2017, 33.0986, 81.2462 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 232) }
```

Border

The CSS property to change the border of an element to XYZ 28.2017, 33.0986, 81.2462 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, 232) }
```


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

```
.border{ border-color:rgb(0, 166, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2017, 33.0986, 81.2462 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, 232) }
```

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

```
.background{ background-color: rgb(0, 166,  
232) }
```

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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