

Converting Colors

XYZ(17.6611, 30.0491, 81.3731)

Have a look what the booklet for
XYZ(17.6611, 30.0491, 81.3731)
contains.

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Color

**XYZ(29.8955, 36.4861,
81.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFE8
RGB	0, 175, 232
RGB Percent	0%, 69%, 91%
CMY	0.9997, 0.3137, 0.0902
CMYK	1.00, 0.25, 0.00, 0.09
HSL	195°, 100%, 46%
HSV	195°, 100%, 91%
XYZ	29.8955, 36.4861, 81.8108
YIQ	129.1730, -122.5970, -19.3730

Conversions

Conversions Part 2

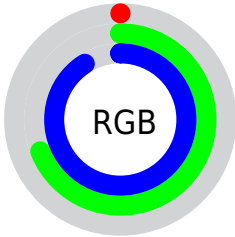
Format	Color
RYB	0, 100, 232
Decimal	45032
CIELab	66.89, -17.25, -38.91
CIELCh	67, 42.560, 246.095
Yxy	36.4861, 0.2017, 0.2462
Android (android.graphics.Color)	4278235112 (0xFF00AFE8)
YUV	129.1730, 50.6937, -113.2847
Hunter-Lab	60.4037, -17.3619, -38.0198

Details

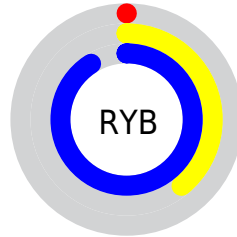
The XYZ color **29.8955, 36.4861, 81.8108** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **34.7459, 20.0890, 2.0482**, and the grayscale version is **20.7930, 21.8759, 23.8229**.

A 20% lighter version of the original color is **52.8103, 67.5600, 104.8647**, and **14.9194, 17.3005, 43.6273** is the 20% darker color. If you saturate the color by 10%, you get **29.8927, 36.4804, 81.8106**, and if you desaturate by 10%, it is **31.3888, 38.9388, 82.2063**.

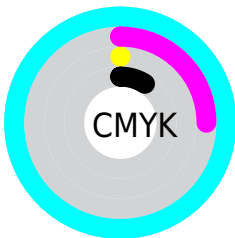
Distribution



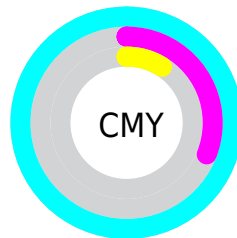
- Red (0%)
- Green (69%)
- Blue (91%)



- Red (0%)
- Yellow (39%)
- Blue (91%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8955, 36.4861, 81.8108 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 29.8955, 36.4861, 81.8108 by changing the saturation by 10% instead.

■ 29.8955, 36.4861,
81.8108

■ 29.8955, 36.4861,
81.8108

293.3356,
331.0802, 520.8814

■ 19.9070, 24.8099,
60.6747

■ 58.8846, 69.7817,
137.7429

■ 12.4353, 15.9354,
43.5338

■ 78.6160, 92.1698,
173.3761

■ 7.1152, 9.4785,
29.9697

■ 102.3256,
118.8974, 214.6786

■ 3.5812, 5.0546,
19.5637

■ 130.3788,
150.3487, 262.0691

■ 1.4680, 2.2793,
11.8974

■ 163.1411,
186.9083, 315.9661

■ 0.3039, 0.7627,
6.5522

200.9778,

■ 0.0000, 0.0000,

228.9605, 376.7881

3.1095

244.2542,
276.8897, 444.9537

■ 0.0000, 0.0000,
1.1508

■ 0.0000, 0.0000,
0.0000

■ 29.8955, 36.4861,
81.8108

■ 29.8955, 36.4861,
81.8108

■ 29.8927, 36.4804,
81.8106

■ 31.3888, 38.9388,
82.2063

■ 33.3579, 41.7067,
82.6367

■ 35.9406, 44.8621,
83.1097

■ 39.2168, 48.4471,
83.6290

■ 43.2537, 52.4970,
84.1979

■ 48.1103, 57.0431,
84.8194

■ 53.8396, 62.1133,
85.4961

■ 60.4897, 67.7335,
86.2304

■ 68.1054, 73.9272,
87.0245

Harmonies

Analogous

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



25.5979, 36.4861, 64.5195



29.8955, 36.4861, 81.8108



36.0114, 36.4861, 86.5012

Triad

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



29.8955, 36.4861, 81.8108



48.5191, 36.4861, 36.0768



27.8784, 36.4861, 17.3954

Complementary

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



29.8955, 36.4861, 81.8108



34.7459, 20.0890, 2.0482

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.



33.3797, 36.4861, 13.8543



29.8955, 36.4861, 81.8108



45.6878, 36.4861, 22.2716

Square

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



29.8955, 36.4861, 81.8108



47.2874, 36.4861, 55.9151



39.9472, 36.4861, 15.3117



24.5382, 36.4861, 27.0105

Rectangle

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



29.8955, 36.4861, 81.8108



40.4207, 36.4861, 80.8866



39.9472, 36.4861, 15.3117



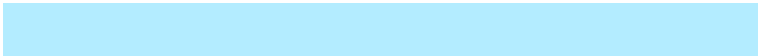
29.5085, 36.4861, 15.6173

Sweetspot

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



29.8968, 36.4873, 81.8117



66.5780, 76.8501, 105.9323



29.5280, 57.9823, 13.1484



13.5792, 15.8628, 22.5961



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.



29.8968, 36.4873, 81.8117



36.9726, 45.0652, 101.3575



16.2846, 9.2629, 77.2743



14.4917, 15.7048, 18.4119



16.6990, 20.4600, 45.4522



1.3057, 1.6553, 3.3826

Inverse Universe

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



41.0178, 20.2527, 42.3056



50.7913, 25.0805, 52.2262



47.6827, 45.9627, 6.3605



14.8358, 14.5515, 17.3356



22.8224, 11.2632, 23.7573



1.7227, 0.8468, 1.9461

Previews

White Background



This preview shows how the XYZ color 29.8955, 36.4861, 81.8108 looks on a white background.

Color Contrast Check

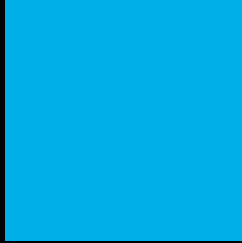
Large Text (above 18pt) WCAG AA × Fail

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 29.8955, 36.4861, 81.8108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

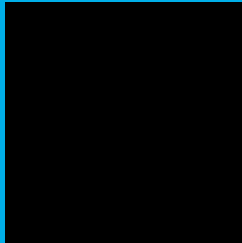
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8955, 36.4861, 81.8108

Background



This preview shows how black text looks on a background with the XYZ color 29.8955, 36.4861, 81.8108.

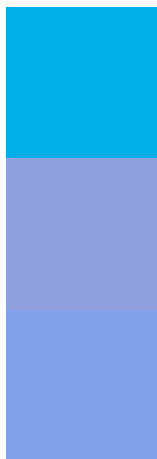


This preview shows how white text looks on a background with the XYZ color 29.8955, 36.4861,

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

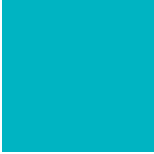
29.8955, 36.4861, 81.8108

Protanopia

36.9907, 36.2382, 72.7552

Deuteranopia

36.9263, 35.9651, 83.5930



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

29.8955, 36.4861, 81.8108



Protanomaly

31.3233, 34.5674, 75.5423



Deuteranomaly

31.8737, 34.6898, 82.8578



Tritanomaly

27.3056, 36.3949, 65.2603

Monochromacy



Original Color

29.8955, 36.4861, 81.8108



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.6415, 25.1048, 39.8342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8955, 36.4861, 81.8108 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, 175, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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, 175, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 232) }
```

Border

The CSS property to change the border of an element to XYZ 29.8955, 36.4861, 81.8108 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, 175, 232) }
```


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

```
.border{ border-color:rgb(0, 175, 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, 175, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8955, 36.4861, 81.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 232) }
```

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

```
.background{ background-color: rgb(0, 175,  
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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