

Converting Colors

XYZ(29.6979, 36.1128, 81.0065)

Have a look what the booklet for
XYZ(29.6979, 36.1128, 81.0065)
contains.

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Color

**XYZ(29.6979, 36.1128,
81.0065)**

Conversions

Conversions Part 1

Format	Color
Hex	0BAEE7
RGB	11, 174, 231
RGB Percent	4%, 68%, 91%
CMY	0.9566, 0.3176, 0.0941
CMYK	0.95, 0.25, 0.00, 0.09
HSL	196°, 91%, 47%
HSV	196°, 95%, 91%
XYZ	29.6979, 36.1128, 81.0065
YIQ	131.7610, -115.4450, -16.8290

Conversions

Conversions Part 2

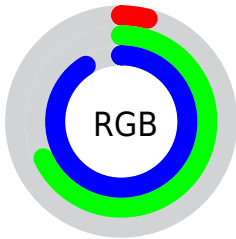
Format	Color
R_{YB}	11, 105, 231
Decimal	765671
CIE _{Lab}	66.61, -16.77, -38.80
CIE _{LCh}	67, 42.271, 246.620
Yxy	36.1128, 0.2023, 0.2460
Android (android.graphics.Color)	4278955751 (0xFF0BAEE7)
YUV	131.7610, 48.9248, -105.9074
Hunter-Lab	60.0939, -16.9512, -37.8571

Details

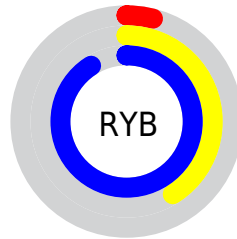
The XYZ color **29.6979, 36.1128, 81.0065** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.0867, 21.1547, 2.5524**, and the grayscale version is **21.7123, 22.8431, 24.8761**.

A 20% lighter version of the original color is **52.3760, 66.5098, 104.6849**, and **14.6974, 17.0142, 43.0669** is the 20% darker color. If you saturate the color by 10%, you get **29.0125, 34.9467, 80.8183**, and if you desaturate by 10%, it is **31.4079, 38.7503, 81.4262**.

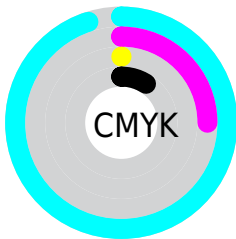
Distribution



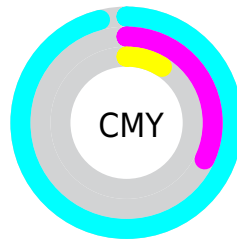
- Red (4%)
- Green (68%)
- Blue (91%)



- Red (4%)
- Yellow (41%)
- Blue (91%)



- Cyan (95%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (96%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6979, 36.1128, 81.0065 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 29.6979, 36.1128, 81.0065 by changing the saturation by 10% instead.

■ 29.6979, 36.1128,
81.0065

■ 29.6979, 36.1128,
81.0065

292.4289,
329.4533, 518.1143

■ 19.7563, 24.5213,
60.0159

■ 58.5740, 69.2061,
136.6040

■ 12.3253, 15.7208,
43.0061

■ 78.2393, 91.4768,
172.0481

■ 7.0394, 9.3268,
29.5585

■ 101.8765,
118.0759, 213.1471

■ 3.5333, 4.9549,
19.2545

■ 129.8509,
149.3880, 260.3195

■ 1.4417, 2.2209,
11.6756

■ 162.5281,
185.7974, 313.9838

■ 0.2856, 0.7313,
6.4034

200.2732,

■ 0.0000, 0.0000,

227.6885, 374.5587

3.0191

243.4517,
275.4456, 442.4627

■ 0.0000, 0.0000,
1.1044

■ 0.0000, 0.0000,
0.0000

■ 29.6979, 36.1128,
81.0065

■ 29.6979, 36.1128,
81.0065

■ 29.0125, 34.9467,
80.8183

■ 31.4079, 38.7503,
81.4262

■ 33.6798, 41.7544,
81.8863

■ 36.6039, 45.1732,
82.3921

■ 40.2526, 49.0449,
82.9471

■ 44.6883, 53.4026,
83.5544

■ 49.9663, 58.2757,
84.2168

■ 56.1368, 63.6910,
84.9369

■ 63.2458, 69.6730,
85.7168

■ 71.3361, 76.2447,
86.5589

Harmonies

Analogous

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



25.4176, 36.1128, 64.1201



29.6979, 36.1128, 81.0065



35.7527, 36.1128, 85.3587

Triad

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



29.6979, 36.1128, 81.0065



47.9557, 36.1128, 35.4213



27.5363, 36.1128, 17.3829

Complementary

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



29.6979, 36.1128, 81.0065



35.0867, 21.1547, 2.5524

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.



32.9341, 36.1128, 13.7887



29.6979, 36.1128, 81.0065



45.1005, 36.1128, 21.9159

Square

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



29.6979, 36.1128, 81.0065



46.8123, 36.1128, 54.9147



39.4075, 36.1128, 15.1444



24.2815, 36.1128, 26.9994

Rectangle

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



29.6979, 36.1128, 81.0065



40.0982, 36.1128, 79.6598



39.4075, 36.1128, 15.1444



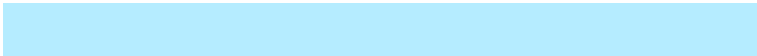
29.1328, 36.1128, 15.5914

Sweetspot

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



29.6992, 36.1140, 81.0074



67.0659, 76.9460, 105.9251



29.6997, 57.6178, 14.7173



13.6576, 15.8545, 22.5903



0.0000, 0.0000, 0.0000



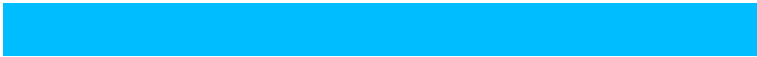
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6992, 36.1140, 81.0074



36.2294, 43.5788, 101.1098



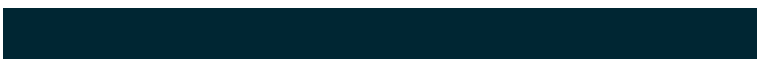
16.5136, 9.7428, 76.6122



14.4748, 15.6709, 18.4062



16.3701, 19.8024, 45.3426



1.2837, 1.6114, 3.3753

Inverse Universe

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



40.7158, 20.2859, 41.8150



50.4161, 24.9304, 50.2508



48.5445, 48.0702, 7.0383



14.8272, 14.5481, 17.2906



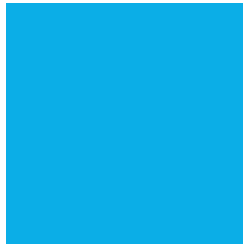
22.6564, 11.1968, 22.8833



1.7116, 0.8424, 1.8878

Previews

White Background



This preview shows how the XYZ color 29.6979, 36.1128, 81.0065 looks on a white background.

Color Contrast Check

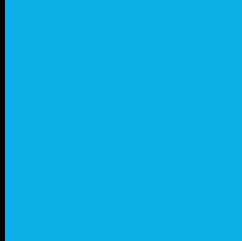
Large Text (above 18pt) WCAG AA × Fail

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 29.6979, 36.1128, 81.0065 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 29.6979, 36.1128, 81.0065

Background



This preview shows how black text looks on a background with the XYZ color 29.6979, 36.1128, 81.0065.

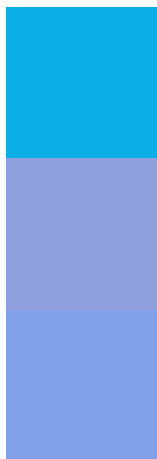


This preview shows how white text looks on a background with the XYZ color 29.6979, 36.1128,

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

29.6979, 36.1128, 81.0065

Protanopia

36.5120, 35.7504, 71.9940

Deuteranopia

36.7822, 35.9074, 82.8341



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

29.6979, 36.1128, 81.0065



Protanomaly

31.3141, 34.3115, 74.7844



Deuteranomaly

32.0936, 34.8197, 82.1202



Tritanomaly

27.0347, 35.9751, 64.5505

Monochromacy



Original Color

29.6979, 36.1128, 81.0065



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.5261, 25.7693, 40.8852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6979, 36.1128, 81.0065 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(11, 174, 231)` looks like.

```
.text, #text, p{  
    color:rgb(11, 174, 231)  
}
```

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(11, 174, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 174, 231) }
```

Border

The CSS property to change the border of an element to XYZ 29.6979, 36.1128, 81.0065 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(11, 174, 231) }
```


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

```
.border{ border-color:rgb(11, 174, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(11, 174, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 174, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 174, 231);  
box-shadow:4px 4px 4px 4px rgb(11, 174,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6979, 36.1128, 81.0065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 174, 231) }
```

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

```
.background{ background-color: rgb(11, 174,  
231) }
```

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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