

Converting Colors

XYZ(30.0453, 36.7471, 80.8904)

Have a look what the booklet for
XYZ(30.0453, 36.7471, 80.8904)
contains.

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Color

**XYZ(30.1803, 36.9394,
81.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	11B0E7
RGB	17, 176, 231
RGB Percent	7%, 69%, 91%
CMY	0.9332, 0.3098, 0.0941
CMYK	0.93, 0.24, 0.00, 0.09
HSL	195°, 86%, 49%
HSV	195°, 93%, 91%
XYZ	30.1803, 36.9394, 81.1406
YIQ	134.7290, -112.4190, -16.6030

Conversions

Conversions Part 2

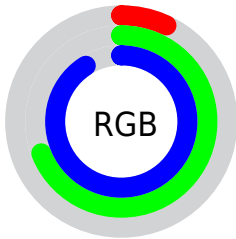
Format	Color
R_{YB}	17, 108, 231
Decimal	1159399
CIE _{Lab}	67.23, -17.64, -37.82
CIE _{LCh}	67, 41.735, 244.991
Yxy	36.9394, 0.2036, 0.2492
Android (android.graphics.Color)	4279349479 (0xFF11B0E7)
YUV	134.7290, 47.4616, -103.2483
Hunter-Lab	60.7778, -17.7238, -36.6099

Details

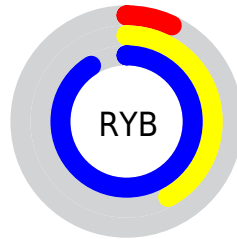
The XYZ color **30.1803, 36.9394, 81.1406** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **35.3768, 21.6696, 2.8501**, and the grayscale version is **22.7936, 23.9806, 26.1149**.

A 20% lighter version of the original color is **53.3370, 68.2482, 104.9698**, and **14.8208, 17.2611, 43.1080** is the 20% darker color. If you saturate the color by 10%, you get **29.1046, 35.1308, 80.8490**, and if you desaturate by 10%, it is **32.0202, 39.6549, 81.5685**.

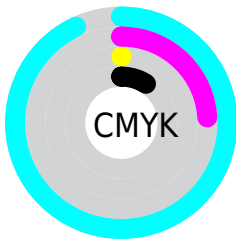
Distribution



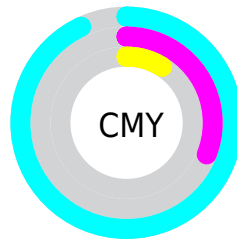
- Red (7%)
- Green (69%)
- Blue (91%)



- Red (7%)
- Yellow (42%)
- Blue (91%)



- Cyan (93%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (93%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1803, 36.9394, 81.1406 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 30.1803, 36.9394, 81.1406 by changing the saturation by 10% instead.

30.1803, 36.9394,
81.1406

30.1803, 36.9394,
81.1406

294.6387,
333.0481, 518.5763

20.1242, 25.1606,
60.1257

59.3319, 70.4796,
136.7940

12.5942, 16.1967,
43.0940

79.1581, 93.0097,
172.2696

7.2248, 9.6635,
29.6269

102.9717,
119.8924, 213.4026

3.6506, 5.1764,
19.3060

131.1381,
151.5121, 260.6114

1.5064, 2.3511,
11.7125

164.0227,
188.2531, 314.3147

0.3302, 0.8006,
6.4281

201.9907,

0.0000, 0.0000,

230.4998, 374.9309

3.0341

245.4076,
278.6367, 442.8785

■ 0.0000, 0.0000,
1.1121

■ 0.0000, 0.0000,
0.0000

■ 30.1803, 36.9394,
81.1406

■ 30.1803, 36.9394,
81.1406

■ 29.1046, 35.1308,
80.8490

■ 32.0202, 39.6549,
81.5685

■ 34.4465, 42.7487,
82.0378

■ 37.5441, 46.2660,
82.5535

■ 41.3824, 50.2435,
83.1189

■ 46.0218, 54.7133,
83.7371

■ 51.5161, 59.7039,
84.4108

■ 57.9142, 65.2414,
85.1425

■ 65.2613, 71.3500,
85.9343

■ 73.5994, 78.0522,
86.7885

Harmonies

Analogous

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



25.9979, 36.9394, 63.8869



30.1803, 36.9394, 81.1406



36.1867, 36.9394, 86.2862

Triad

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



30.1803, 36.9394, 81.1406



48.7857, 36.9394, 37.2442



28.5416, 36.9394, 17.7777

Complementary

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



30.1803, 36.9394, 81.1406



35.3768, 21.6696, 2.8501

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.



34.0545, 36.9394, 14.4122



30.1803, 36.9394, 81.1406



46.1351, 36.9394, 23.2668

Square

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



30.1803, 36.9394, 81.1406



47.4259, 36.9394, 56.9548



40.5488, 36.9394, 16.0643



25.1350, 36.9394, 27.1346

Rectangle

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



30.1803, 36.9394, 81.1406



40.5451, 36.9394, 81.1478



40.5488, 36.9394, 16.0643



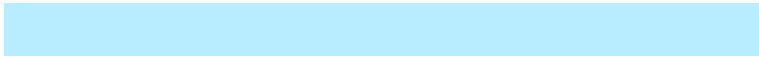
30.1834, 36.9394, 16.0618

Sweetspot

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



30.1816, 36.9407, 81.1415



67.9034, 77.7249, 106.0313



29.9304, 57.7208, 15.4464



13.8196, 16.0103, 22.6119



0.0000, 0.0000, 0.0000



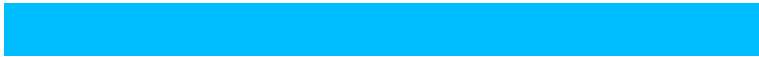
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1816, 36.9407, 81.1415



36.3449, 43.8099, 101.1483



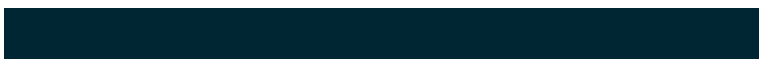
16.8794, 10.3362, 76.7075



14.4774, 15.6762, 18.4071



16.4213, 19.9046, 45.3597



1.2872, 1.6182, 3.3765

Inverse Universe

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



40.9931, 20.5259, 42.8768



50.4744, 24.9538, 50.5579



48.8801, 48.6762, 7.3512



14.8286, 14.5486, 17.2976



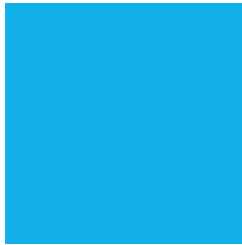
22.6822, 11.2071, 23.0192



1.7133, 0.8430, 1.8969

Previews

White Background



This preview shows how the XYZ color 30.1803, 36.9394, 81.1406 looks on a white background.

Color Contrast Check

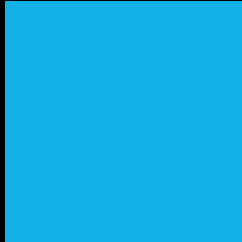
Large Text (above 18pt) WCAG AA × Fail

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 30.1803, 36.9394, 81.1406 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

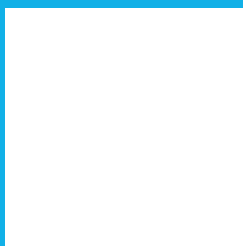
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1803, 36.9394, 81.1406

Background



This preview shows how black text looks on a background with the XYZ color 30.1803, 36.9394, 81.1406.

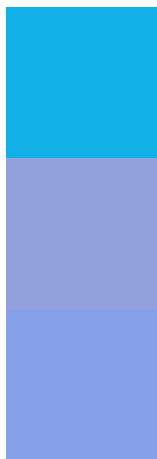


This preview shows how white text looks on a background with the XYZ color 30.1803, 36.9394,

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

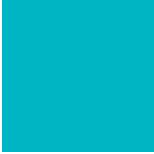
30.1803, 36.9394, 81.1406

Protanopia

37.2110, 36.3671, 72.0761

Deuteranopia

37.4277, 36.4986, 82.9142



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

30.1803, 36.9394, 81.1406



Protanomaly

32.1011, 35.2528, 74.9246



Deuteranomaly

32.6586, 35.3798, 82.1985



Tritanomaly

27.5804, 36.8330, 65.3303

Monochromacy



Original Color

30.1803, 36.9394, 81.1406



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.5757, 26.9903, 42.0500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1803, 36.9394, 81.1406 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(17, 176, 231)` looks like.

```
.text, #text, p{  
    color:rgb(17, 176, 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(17, 176, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 176, 231) }
```

Border

The CSS property to change the border of an element to XYZ 30.1803, 36.9394, 81.1406 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(17, 176, 231) }
```


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

```
.border{ border-color:rgb(17, 176, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 176, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 176, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 176, 231);  
box-shadow:4px 4px 4px 4px rgb(17, 176,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1803, 36.9394, 81.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 176, 231) }
```

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

```
.background{ background-color: rgb(17, 176,  
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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