

Converting Colors

XYZ(30.0075, 37.2275, 78.1923)

Have a look what the booklet for
XYZ(30.0075, 37.2275, 78.1923)
contains.

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Color

**XYZ(30.0133, 37.2099,
78.2734)**

Conversions

Conversions Part 1

Format	Color
Hex	1AB1E3
RGB	26, 177, 227
RGB Percent	10%, 69%, 89%
CMY	0.8979, 0.3059, 0.1098
CMYK	0.89, 0.22, 0.00, 0.11
HSL	195°, 79%, 50%
HSV	195°, 89%, 89%
XYZ	30.0133, 37.2099, 78.2734
YIQ	137.5510, -106.0460, -16.4620

Conversions

Conversions Part 2

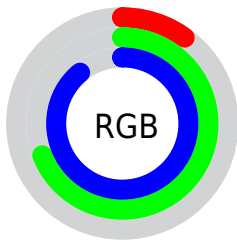
Format	Color
R _Y B	26, 112, 227
Decimal	1749475
CIE Lab	67.43, -19.15, -35.31
CIE LCh	67, 40.168, 241.531
Yxy	37.2099, 0.2063, 0.2557
Android (android.graphics.Color)	4279939555 (0xFF1AB1E3)
YUV	137.5510, 44.0984, -97.8302
Hunter-Lab	60.9999, -18.9239, -33.3793

Details


The XYZ color **30.0133, 37.2099, 78.2734** 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 **34.4522, 21.5789, 3.3284**, and the grayscale version is **23.8572, 25.0997, 27.3335**.

A 20% lighter version of the original color is **53.8710, 68.9426, 105.0757**, and **14.5583, 17.3556, 41.1107** is the 20% darker color. If you saturate the color by 10%, you get **28.5369, 34.8275, 77.8921**, and if you desaturate by 10%, it is **31.9803, 39.9150, 78.6926**.

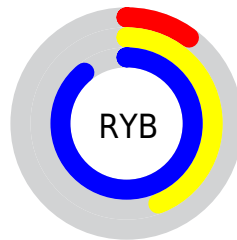
Distribution



 Red (10%)

 Green (69%)

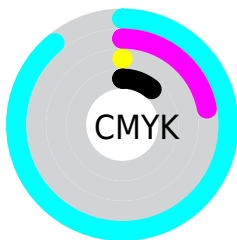
 Blue (89%)





 Red (10%)

 Yellow (44%)

 Blue (89%)

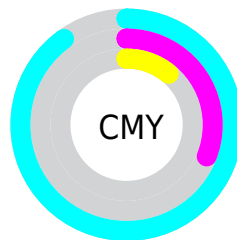


 Cyan (89%)

 Magenta (22%)

 Yellow (0%)

 Black (11%)



 Cyan (90%)

 Magenta (31%)

 Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0133, 37.2099, 78.2734 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 30.0133, 37.2099, 78.2734 by changing the saturation by 10% instead.

■ 30.0133, 37.2099,
78.2734

■ 30.0133, 37.2099,
78.2734

293.8752,
334.2184, 508.6473

■ 19.9968, 25.3700,
57.7808

■ 59.0697, 70.8955,
132.7248

■ 12.5010, 16.3530,
41.2189

■ 78.8403, 93.5100,
167.5208

■ 7.1604, 9.7743,
28.1692

■ 102.5930,
120.4849, 207.9215

■ 3.6099, 5.2495,
18.2131

■ 130.6931,
152.2045, 254.3457

■ 1.4839, 2.3944,
10.9321

■ 163.5061,
189.0533, 307.2119

■ 0.3148, 0.8230,
5.9076

201.3971,

■ 0.0000, 0.0000,

231.4156, 366.9385

2.7211

244.7317,
279.6758, 433.9441

■ 0.0000, 0.0000,
0.9540

■ 0.0000, 0.0000,
0.0000

■ 30.0133, 37.2099,
78.2734

■ 30.0133, 37.2099,
78.2734

■ 28.5369, 34.8275,
77.8921

■ 31.9803, 39.9150,
78.6926

■ 28.3387, 34.4930,
77.8380

■ 34.5423, 42.9956,
79.1522

■ 37.7743, 46.4917,
79.6567

■ 41.7387, 50.4362,
80.2091

■ 46.4905, 54.8584,
80.8122

■ 52.0790, 59.7843,
81.4685

■ 58.5496, 65.2381,
82.1801

■ 65.9441, 71.2422,
82.9493

■ 74.3017, 77.8173,
83.7779

Harmonies

Analogous

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



26.1970, 37.2099, 60.9822



30.0133, 37.2099, 78.2734



35.6845, 37.2099, 84.7940

Triad

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



30.0133, 37.2099, 78.2734



48.5853, 37.2099, 39.6152



29.5244, 37.2099, 17.9256

Complementary

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



30.0133, 37.2099, 78.2734



34.4522, 21.5789, 3.3284

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.



35.0512, 37.2099, 15.1770



30.0133, 37.2099, 78.2734



46.4601, 37.2099, 25.2319

Square

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



30.0133, 37.2099, 78.2734



46.8409, 37.2099, 58.9426



41.3220, 37.2099, 17.4042



25.9386, 37.2099, 26.3948

Rectangle

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



30.0133, 37.2099, 78.2734



39.8969, 37.2099, 80.9969



41.3220, 37.2099, 17.4042



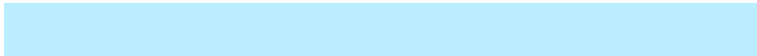
31.1935, 37.2099, 16.4346

Sweetspot

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



30.0146, 37.2112, 78.2743



68.8731, 78.7518, 106.1784



29.0963, 55.6388, 15.4960



14.1680, 16.3614, 22.6613



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.



30.0146, 37.2112, 78.2743



36.8029, 44.7258, 101.3010



17.1332, 11.4484, 73.9805



14.4879, 15.6971, 18.4106



16.6239, 20.3099, 45.4272



1.3007, 1.6453, 3.3810

Inverse Universe

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



39.9850, 20.2456, 43.3963



50.7056, 25.0462, 51.7751



46.8878, 46.4501, 7.4736



14.8338, 14.5507, 17.3254



22.7845, 11.2480, 23.5578



1.7201, 0.8458, 1.9328

Previews

White Background



This preview shows how the XYZ color 30.0133, 37.2099, 78.2734 looks on a white background.

Color Contrast Check

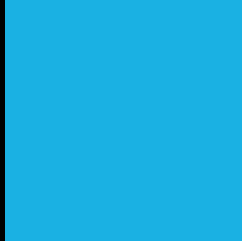
Large Text (above 18pt) WCAG AA × Fail

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 30.0133, 37.2099, 78.2734 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

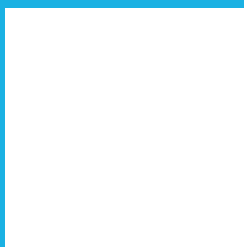
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0133, 37.2099, 78.2734

Background



This preview shows how black text looks on a background with the XYZ color 30.0133, 37.2099, 78.2734.

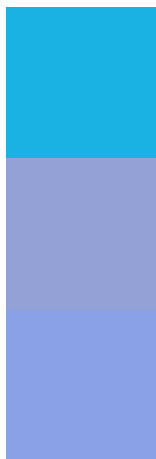


This preview shows how white text looks on a background with the XYZ color 30.0133, 37.2099,

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

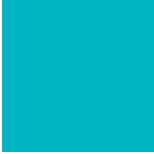
30.0133, 37.2099, 78.2734

Protanopia

37.2234, 36.6919, 69.4103

Deuteranopia

37.6499, 36.6625, 80.6935



Tritanopia

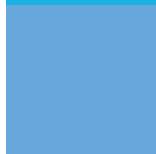
26.3742, 36.9879, 57.3791

Trichromacy



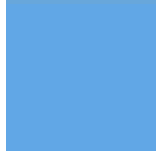
Original Color

30.0133, 37.2099, 78.2734



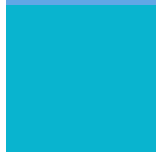
Protanomaly

32.3138, 35.6950, 72.2045



Deuteranomaly

33.0314, 35.8920, 80.0498



Tritanomaly

27.6964, 37.2056, 64.7531

Monochromacy



Original Color

30.0133, 37.2099, 78.2734



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.4137, 27.9001, 42.1814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0133, 37.2099, 78.2734 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(26, 177, 227)` looks like.

```
.text, #text, p{  
    color:rgb(26, 177, 227)  
}
```

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(26, 177, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 177, 227) }
```

Border

The CSS property to change the border of an element to XYZ 30.0133, 37.2099, 78.2734 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(26, 177, 227) }
```


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

```
.border{ border-color:rgb(26, 177, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 177, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 177, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 177, 227);  
box-shadow:4px 4px 4px 4px rgb(26, 177,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0133, 37.2099, 78.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 177, 227) }
```

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

```
.background{ background-color: rgb(26, 177,  
227) }
```

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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