

Converting Colors

XYZ(29.7674, 37.1810, 76.6908)

Have a look what the booklet for
XYZ(29.7674, 37.1810, 76.6908)
contains.

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Color

**XYZ(29.7647, 37.1135,
76.8290)**

Conversions

Conversions Part 1

Format	Color
Hex	1BB1E1
RGB	27, 177, 225
RGB Percent	11%, 69%, 88%
CMY	0.8940, 0.3059, 0.1176
CMYK	0.88, 0.21, 0.00, 0.12
HSL	195°, 79%, 49%
HSV	195°, 88%, 88%
XYZ	29.7647, 37.1135, 76.8290
YIQ	137.6220, -104.8080, -16.8720

Conversions

Conversions Part 2

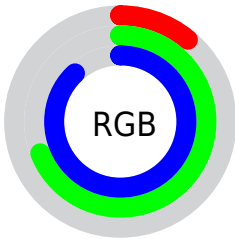
Format	Color
R _Y B	27, 112, 225
Decimal	1815009
CIE Lab	67.36, -19.78, -34.33
CIE LCh	67, 39.617, 240.049
Yxy	37.1135, 0.2071, 0.2583
Android (android.graphics.Color)	4280005089 (0xFF1BB1E1)
YUV	137.6220, 43.0774, -97.0155
Hunter-Lab	60.9209, -19.4000, -32.1277

Details

The XYZ color **29.7647, 37.1135, 76.8290** 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 **33.7675, 21.1225, 3.3358**, and the grayscale version is **23.8870, 25.1309, 27.3676**.

A 20% lighter version of the original color is **53.8710, 68.9426, 105.0757**, and **14.4634, 17.3176, 40.6105** is the 20% darker color. If you saturate the color by 10%, you get **28.3138, 34.7984, 76.4594**, and if you desaturate by 10%, it is **31.7046, 39.7459, 77.2356**.

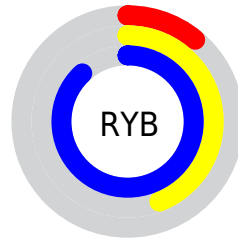
Distribution



Red (11%)

Green (69%)

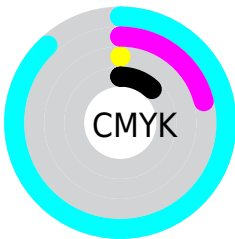
Blue (88%)



Red (11%)

Yellow (44%)

Blue (88%)

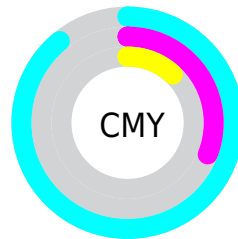


Cyan (88%)

Magenta (21%)

Yellow (0%)

Black (12%)



Cyan (89%)

Magenta (31%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7647, 37.1135, 76.8290 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 29.7647, 37.1135, 76.8290 by changing the saturation by 10% instead.

■ 29.7647, 37.1135,
76.8290

■ 29.7647, 37.1135,
76.8290

292.7357,
333.8017, 503.6030

■ 19.8072, 25.2954,
56.6018

■ 58.6791, 70.7473,
130.6689

■ 12.3625, 16.2973,
40.2784

■ 78.3667, 93.3318,
165.1186

■ 7.0650, 9.7347,
27.4402

■ 102.0284,
120.2739, 205.1464

■ 3.5495, 5.2234,
17.6688

■ 130.0295,
151.9579, 251.1706

■ 1.4506, 2.3790,
10.5455

■ 162.7354,
188.7683, 303.6098

■ 0.2918, 0.8150,
5.6518

200.5116,

■ 0.0000, 0.0000,

231.0895, 362.8826

2.5692

243.7232,
279.3058, 429.4074

■ 0.0000, 0.0000,
0.8765

■ 0.0000, 0.0000,
0.0000

■ 29.7647, 37.1135,
76.8290

■ 29.7647, 37.1135,
76.8290

■ 28.3138, 34.7984,
76.4594

■ 31.7046, 39.7459,
77.2356

■ 28.0499, 34.3546,
76.3876

■ 34.2297, 42.7440,
77.6812

■ 37.4123, 46.1465,
78.1702

■ 41.3130, 49.9853,
78.7056

■ 45.9853, 54.2886,
79.2900

■ 51.4771, 59.0819,
79.9257

■ 57.8327, 64.3885,
80.6150

■ 65.0927, 70.2302,
81.3599

■ 73.2953, 76.6273,
82.1624

Harmonies

Analogous

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



26.1088, 37.1135, 59.5587



29.7647, 37.1135, 76.8290



35.2852, 37.1135, 83.8834

Triad

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



29.7647, 37.1135, 76.8290



48.2769, 37.1135, 40.3818



29.7493, 37.1135, 17.8378

Complementary

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



29.7647, 37.1135, 76.8290



33.7675, 21.1225, 3.3358

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.



35.2653, 37.1135, 15.3588



29.7647, 37.1135, 76.8290



46.3696, 37.1135, 25.8809

Square

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



29.7647, 37.1135, 76.8290



46.3815, 37.1135, 59.4949



41.4272, 37.1135, 17.8213



26.1006, 37.1135, 25.9175

Rectangle

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



29.7647, 37.1135, 76.8290



39.4284, 37.1135, 80.6312



41.4272, 37.1135, 17.8213



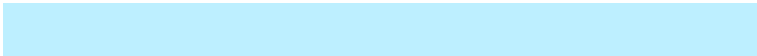
31.4246, 37.1135, 16.4459

Sweetspot

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



29.7660, 37.1148, 76.8299



69.8066, 79.6899, 106.3102



28.5881, 54.5683, 15.3677



14.3543, 16.5562, 22.6891



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.



29.7660, 37.1148, 76.8299



37.1588, 45.4375, 101.4196



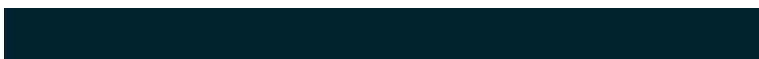
16.8989, 11.3806, 72.5409



13.8203, 14.9798, 17.5507



16.2590, 19.9875, 44.0494



1.1952, 1.5219, 3.0760

Inverse Universe

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



39.3802, 19.9672, 43.3746



50.8852, 25.1181, 52.7211



46.0419, 45.6711, 7.4272



14.1455, 13.8758, 16.5365



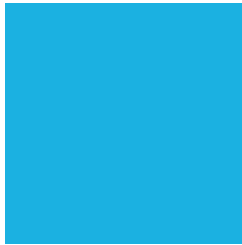
22.1470, 10.9258, 23.2375



1.5695, 0.7711, 1.7921

Previews

White Background



This preview shows how the XYZ color 29.7647, 37.1135, 76.8290 looks on a white background.

Color Contrast Check

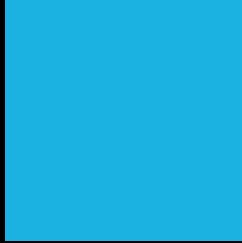
Large Text (above 18pt) WCAG AA × Fail

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 29.7647, 37.1135, 76.8290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

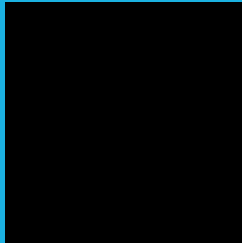
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7647, 37.1135, 76.8290

Background



This preview shows how black text looks on a background with the XYZ color 29.7647, 37.1135, 76.8290.

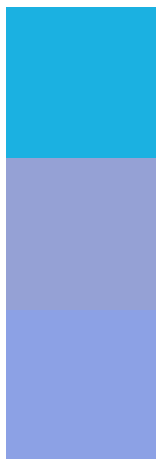


This preview shows how white text looks on a background with the XYZ color 29.7647, 37.1135,

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

29.7647, 37.1135, 76.8290

Protanopia

37.1495, 36.6834, 68.0734

Deuteranopia

37.7029, 36.7223, 79.2297



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

29.7647, 37.1135, 76.8290



Protanomaly

32.1688, 35.6504, 70.8314



Deuteranomaly

32.9679, 35.8915, 78.5890



Tritanomaly

27.5870, 37.1633, 64.1118

Monochromacy



Original Color

29.7647, 37.1135, 76.8290



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.5209, 27.9554, 42.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7647, 37.1135, 76.8290 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(27, 177, 225)` looks like.

```
.text, #text, p{  
    color:rgb(27, 177, 225)  
}
```

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(27, 177, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 177, 225) }
```

Border

The CSS property to change the border of an element to XYZ 29.7647, 37.1135, 76.8290 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(27, 177, 225) }
```


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

```
.border{ border-color:rgb(27, 177, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 177, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 177, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 177, 225);  
box-shadow:4px 4px 4px 4px rgb(27, 177,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7647, 37.1135, 76.8290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 177, 225) }
```

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

```
.background{ background-color: rgb(27, 177,  
225) }
```

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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