

Converting Colors

XYZ(18.9714, 29.8637, 74.1548)

Have a look what the booklet for
XYZ(18.9714, 29.8637, 74.1548)
contains.

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Color

**XYZ(27.7477, 34.3997,
74.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABDE
RGB	0, 171, 222
RGB Percent	0%, 67%, 87%
CMY	0.9998, 0.3294, 0.1294
CMYK	1.00, 0.23, 0.00, 0.13
HSL	194°, 100%, 44%
HSV	194°, 100%, 87%
XYZ	27.7477, 34.3997, 74.2846
YIQ	125.6850, -118.2870, -20.3910

Conversions

Conversions Part 2

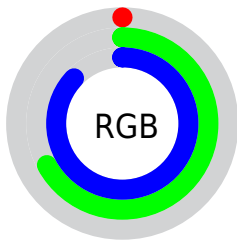
Format	Color
RYB	0, 97, 222
Decimal	43998
CIELab	65.28, -18.65, -35.93
CIELCh	65, 40.482, 242.570
Yxy	34.3997, 0.2034, 0.2521
Android (android.graphics.Color)	4278234078 (0xFF00ABDE)
YUV	125.6850, 47.4833, -110.2257
Hunter-Lab	58.6513, -18.1920, -34.0377

Details

The XYZ color **27.7477, 34.3997, 74.2846** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.3110, 17.9023, 1.8068**, and the grayscale version is **19.6032, 20.6241, 22.4597**.

A 20% lighter version of the original color is **51.0721, 64.6160, 104.3881**, and **13.5719, 15.9837, 38.9291** is the 20% darker color. If you saturate the color by 10%, you get **27.7458, 34.3957, 74.2846**, and if you desaturate by 10%, it is **29.0670, 36.5386, 74.6286**.

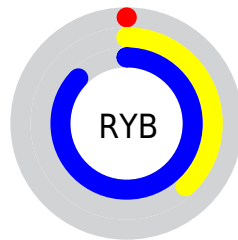
Distribution



Red (0%)

Green (67%)

Blue (87%)



Red (0%)

Yellow (38%)

Blue (87%)

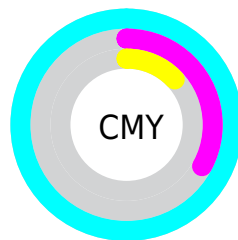


Cyan (100%)

Magenta (23%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7477, 34.3997, 74.2846 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 27.7477, 34.3997, 74.2846 by changing the saturation by 10% instead.

■ 27.7477, 34.3997,
74.2846

■ 27.7477, 34.3997,
74.2846

■ 283.3614,
321.9106, 494.6447

■ 18.2750, 23.2008,
54.5288

■ 55.4928, 66.5548,
127.0369

■ 11.2485, 14.7419,
38.6285

■ 74.4960, 88.2797,
160.8706

■ 6.3028, 8.6384,
26.1653

■ 97.4068, 114.2822,
200.2339

■ 3.0724, 4.5061,
16.7205

■ 124.5905,
144.9465, 245.5454

■ 1.1922, 1.9605,
9.8755

■ 156.4124,
180.6572, 297.2237

■ 0.1002, 0.5844,
5.2120

193.2379,

■ 0.0000, 0.0000,

221.7985, 355.6873

2.3113

235.4325,
268.7548, 421.3548

■ 0.0000, 0.0000,
0.7375

■ 0.0000, 0.0000,
0.0000

■ 27.7477, 34.3997,
74.2846

■ 27.7477, 34.3997,
74.2846

■ 27.7458, 34.3957,
74.2846

■ 29.0670, 36.5386,
74.6286

■ 30.8088, 38.9505,
75.0024

■ 33.0995, 41.7018,
75.4127

■ 36.0105, 44.8299,
75.8630

■ 39.6022, 48.3664,
76.3564

■ 43.9272, 52.3392,
76.8952

■ 49.0329, 56.7731,
77.4819

■ 54.9626, 61.6910,
78.1187

■ 61.7563, 67.1142,
78.8074

Harmonies

Analogous

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



24.0442, 34.3997, 57.7881



27.7477, 34.3997, 74.2846



33.2068, 34.3997, 80.1411

Triad

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



27.7477, 34.3997, 74.2846



45.3759, 34.3997, 36.0185



26.9660, 34.3997, 16.2194

Complementary

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



27.7477, 34.3997, 74.2846



31.3110, 17.9023, 1.8068

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.



32.1902, 34.3997, 13.4859



27.7477, 34.3997, 74.2846



43.2078, 34.3997, 22.5577

Square

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



27.7477, 34.3997, 74.2846



43.8228, 34.3997, 54.4866



38.1999, 34.3997, 15.4004



23.6325, 34.3997, 24.4040

Rectangle

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



27.7477, 34.3997, 74.2846



37.2419, 34.3997, 76.1358



38.1999, 34.3997, 15.4004



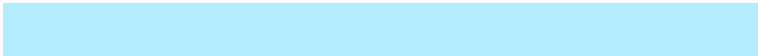
28.5358, 34.3997, 14.7662

Sweetspot

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



27.7489, 34.4009, 74.2855



66.9315, 77.5571, 106.0501



26.6587, 52.4580, 11.5322



13.6642, 16.0330, 22.6244



0.0000, 0.0000, 0.0000



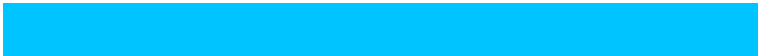
20.3446, 21.4041, 23.3091

Same Dimension

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



27.7489, 34.4009, 74.2855



37.8815, 46.8831, 101.6605



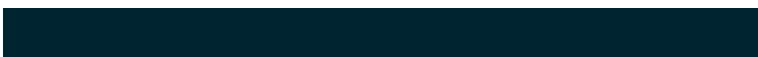
14.9598, 8.8227, 70.0224



13.8356, 15.0103, 17.5557



16.5682, 20.6060, 44.1525



1.2143, 1.5601, 3.0824

Inverse Universe

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



37.4760, 18.4713, 40.1191



51.2501, 25.2640, 54.6422



42.5430, 40.3662, 5.5508



14.1532, 13.8789, 16.5771



22.3031, 10.9882, 24.0595



1.5792, 0.7749, 1.8428

Previews

White Background



This preview shows how the XYZ color 27.7477, 34.3997, 74.2846 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 27.7477, 34.3997, 74.2846 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

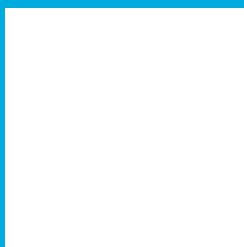
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7477, 34.3997, 74.2846

Background



This preview shows how black text looks on a background with the XYZ color 27.7477, 34.3997, 74.2846.

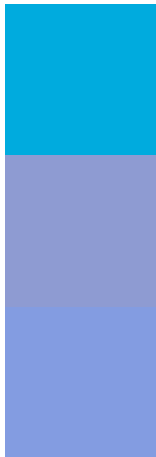


This preview shows how white text looks on a background with the XYZ color 27.7477, 34.3997,

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

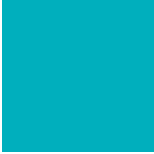
27.7477, 34.3997, 74.2846

Protanopia

34.5095, 33.8466, 65.6870

Deuteranopia

34.8391, 34.0385, 75.9680



Tritanopia

24.5153, 34.3341, 53.4792

Trichromacy



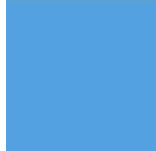
Original Color

27.7477, 34.3997, 74.2846



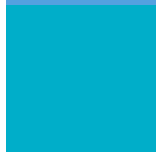
Protanomaly

29.0989, 32.5184, 68.3613



Deuteranomaly

29.7667, 32.7106, 75.2659



Tritanomaly

25.6787, 34.4891, 60.5620

Monochromacy



Original Color

27.7477, 34.3997, 74.2846



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.4143, 23.6247, 37.2550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7477, 34.3997, 74.2846 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, 171, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 222)  
}
```

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, 171, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 222) }
```

Border

The CSS property to change the border of an element to XYZ 27.7477, 34.3997, 74.2846 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, 171, 222) }
```


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

```
.border{ border-color:rgb(0, 171, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7477, 34.3997, 74.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 222) }
```

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

```
.background{ background-color: rgb(0, 171,  
222) }
```

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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