

Converting Colors

XYZ(14.2599, 32.9590, 73.7810)

Have a look what the booklet for
XYZ(14.2599, 32.9590, 73.7810)
contains.

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Color

**XYZ(31.2487, 41.6157,
74.7923)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDDD
RGB	0, 189, 221
RGB Percent	0%, 74%, 87%
CMY	0.9998, 0.2588, 0.1333
CMYK	1.00, 0.14, 0.00, 0.13
HSL	189°, 100%, 43%
HSV	189°, 100%, 87%
XYZ	31.2487, 41.6157, 74.7923
YIQ	136.1370, -122.9160, -30.1160

Conversions

Conversions Part 2

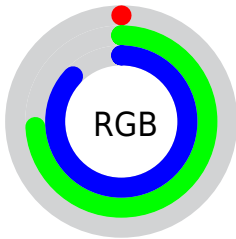
Format	Color
RYB	0, 102, 221
Decimal	48605
CIELab	70.61, -28.21, -27.15
CIELCh	71, 39.148, 223.904
Yxy	41.6157, 0.2116, 0.2818
Android (android.graphics.Color)	4278238685 (0xFF00BDDD)
YUV	136.1370, 41.8375, -119.3921
Hunter-Lab	64.5102, -26.4277, -23.5829

Details

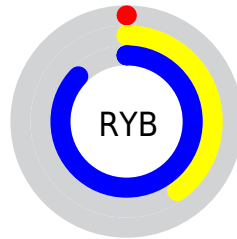
The XYZ color **31.2487, 41.6157, 74.7923** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.3372, 16.4080, 1.5695**, and the grayscale version is **23.3401, 24.5556, 26.7410**.

A 20% lighter version of the original color is **57.0692, 76.2573, 106.3190**, and **15.5469, 20.0811, 39.1330** is the 20% darker color. If you saturate the color by 10%, you get **31.2480, 41.6139, 74.7928**, and if you desaturate by 10%, it is **32.2797, 43.1814, 75.0410**.

Distribution



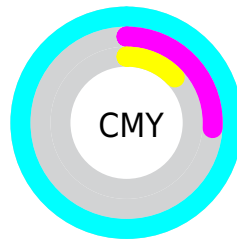
- Red (0%)
- Green (74%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2487, 41.6157, 74.7923 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 31.2487, 41.6157, 74.7923 by changing the saturation by 10% instead.

■ 31.2487, 41.6157,
74.7923

■ 31.2487, 41.6157,
74.7923

299.4889,
352.8874, 496.4397

■ 20.9411, 28.8005,
54.9420

■ 61.0046, 77.6177,
127.7627

■ 13.1931, 18.9300,
38.9570

■ 81.1836, 101.5732,
161.7199

■ 7.6396, 11.6197,
26.4187

■ 105.3837,
130.0110, 201.2166

■ 3.9151, 6.4853,
16.9086

■ 133.9703,
163.3154, 246.6711

■ 1.6542, 3.1423,
10.0081

■ 167.3088,
201.8709, 298.5022

■ 0.4273, 1.2065,
5.2986

205.7644,

■ 0.0000, 0.0670,

246.0618, 357.1283

2.3617

249.7027,
296.2725, 422.9680

■ 0.0000, 0.0000,
0.7655

■ 0.0000, 0.0000,
0.0000

■ 31.2487, 41.6157,
74.7923

■ 31.2487, 41.6157,
74.7923

■ 31.2480, 41.6139,
74.7928

■ 32.2797, 43.1814,
75.0410

■ 33.7064, 44.9729,
75.3116

■ 35.6541, 47.0559,
75.6110

■ 38.1931, 49.4667,
75.9425

■ 41.3827, 52.2360,
76.3089

■ 45.2748, 55.3907,
76.7127

■ 49.9160, 58.9550,
77.1561

■ 55.3488, 62.9508,
77.6410

■ 61.6124, 67.3987,
78.1694

Harmonies

Analogous

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



28.6627, 41.6157, 54.4273



31.2487, 41.6157, 74.7923



36.2036, 41.6157, 88.9049

Triad

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



31.2487, 41.6157, 74.7923



52.7562, 41.6157, 55.9291



36.6389, 41.6157, 18.7745

Complementary

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



31.2487, 41.6157, 74.7923



30.3372, 16.4080, 1.5695

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.



43.1059, 41.6157, 18.9713



31.2487, 41.6157, 74.7923



52.9056, 41.6157, 37.2766

Square

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



31.2487, 41.6157, 74.7923



48.8268, 41.6157, 76.1470



49.2152, 41.6157, 24.8190



31.5373, 41.6157, 24.1791

Rectangle

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



31.2487, 41.6157, 74.7923



40.4078, 41.6157, 90.9809



49.2152, 41.6157, 24.8190



38.7133, 41.6157, 18.2451

Sweetspot

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



31.2501, 41.6172, 74.7933



68.8520, 81.3982, 106.6903



26.0855, 51.8051, 9.8202



14.1279, 16.9603, 22.7790



0.0000, 0.0000, 0.0000



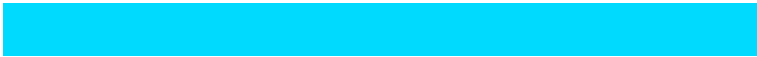
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2501, 41.6172, 74.7933



43.1398, 57.3996, 103.4133



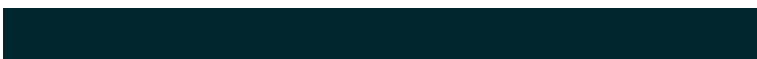
15.9991, 11.1152, 69.7097



13.2758, 14.4913, 16.7495



18.2168, 24.3030, 43.4692



1.2250, 1.6642, 2.8311

Inverse Universe

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



39.0053, 19.0476, 49.7664



53.9042, 26.3257, 68.6186



39.1953, 34.1242, 4.5222



13.5291, 13.2407, 16.0473



22.6903, 11.0772, 29.0789



1.4926, 0.7267, 2.0031

Previews

White Background



This preview shows how the XYZ color 31.2487, 41.6157, 74.7923 looks on a white background.

Color Contrast Check

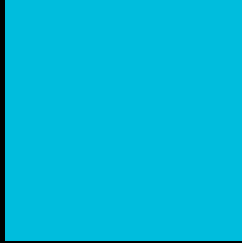
Large Text (above 18pt) WCAG AA × Fail

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 31.2487, 41.6157, 74.7923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

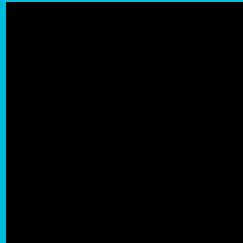
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2487, 41.6157, 74.7923

Background



This preview shows how black text looks on a background with the XYZ color 31.2487, 41.6157, 74.7923.

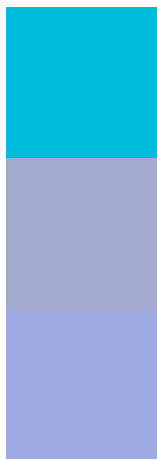


This preview shows how white text looks on a background with the XYZ color 31.2487, 41.6157,

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

31.2487, 41.6157, 74.7923

Protanopia

40.8641, 41.0900, 65.4519

Deuteranopia

42.2135, 41.2378, 77.6863



Tritanopia

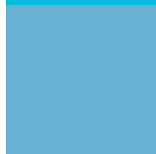
29.7714, 41.7178, 64.8758

Trichromacy



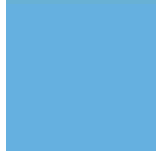
Original Color

31.2487, 41.6157, 74.7923



Protanomaly

33.4413, 39.1914, 68.7529



Deuteranomaly

34.3467, 39.1992, 76.2769



Tritanomaly

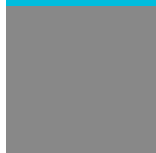
30.1713, 41.5301, 68.0539

Monochromacy



Original Color

31.2487, 41.6157, 74.7923



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.6269, 28.2589, 40.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2487, 41.6157, 74.7923 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, 189, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 221)  
}
```

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, 189, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 221) }
```

Border

The CSS property to change the border of an element to XYZ 31.2487, 41.6157, 74.7923 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, 189, 221) }
```


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

```
.border{ border-color:rgb(0, 189, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2487, 41.6157, 74.7923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 221) }
```

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

```
.background{ background-color: rgb(0, 189,  
221) }
```

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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