

Converting Colors

XYZ(32.0710, 42.2989, 82.3108)

Have a look what the booklet for
XYZ(32.0710, 42.2989, 82.3108)
contains.

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Color

**XYZ(32.8373, 42.5964,
82.0925)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEE7
RGB	0, 190, 231
RGB Percent	0%, 75%, 91%
CMY	0.9997, 0.2549, 0.0941
CMYK	1.00, 0.18, 0.00, 0.09
HSL	191°, 100%, 45%
HSV	191°, 100%, 91%
XYZ	32.8373, 42.5964, 82.0925
YIQ	137.8640, -126.4010, -27.5290

Conversions

Conversions Part 2

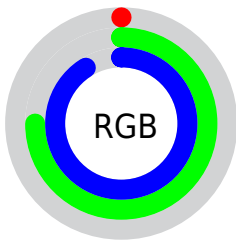
Format	Color
RYB	0, 104, 231
Decimal	48871
CIELab	71.28, -25.36, -31.55
CIELCh	71, 40.480, 231.200
Yxy	42.5964, 0.2085, 0.2704
Android (android.graphics.Color)	4278238951 (0xFF00BEE7)
YUV	137.8640, 45.9160, -120.9067
Hunter-Lab	65.2659, -24.4065, -28.8898

Details

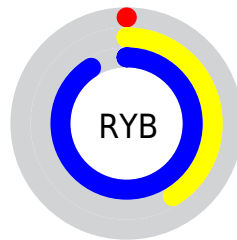
The XYZ color **32.8373, 42.5964, 82.0925** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.7510, 18.5797, 1.8093**, and the grayscale version is **23.9789, 25.2277, 27.4730**.

A 20% lighter version of the original color is **57.6174, 76.9927, 106.4321**, and **16.5420, 20.7035, 43.6818** is the 20% darker color. If you saturate the color by 10%, you get **32.8353, 42.5923, 82.0927**, and if you desaturate by 10%, it is **34.0959, 44.5833, 82.4105**.

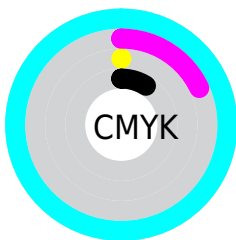
Distribution



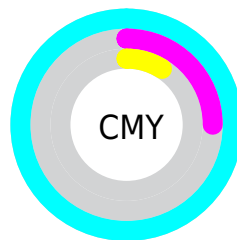
- Red (0%)
- Green (75%)
- Blue (91%)



- Red (0%)
- Yellow (41%)
- Blue (91%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8373, 42.5964, 82.0925 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 32.8373, 42.5964, 82.0925 by changing the saturation by 10% instead.

■ 32.8373, 42.5964,
82.0925

■ 32.8373, 42.5964,
82.0925

306.5939,
356.9493, 521.8486

■ 22.1605, 29.5686,
60.9055

■ 63.4778, 79.1015,
138.1416

■ 14.0921, 19.5114,
43.7189

■ 84.1722, 103.3475,
173.8407

■ 8.2669, 12.0403,
30.1140

■ 108.9365,
132.1017, 215.2144

■ 4.3194, 6.7712,
19.6723

■ 138.1361,
165.7485, 262.6810

■ 1.8844, 3.3194,
11.9754

■ 172.1362,
204.6722, 316.6592

■ 0.5677, 1.3007,
6.6046

211.3023,

■ 0.0000, 0.1417,

249.2574, 377.5675

3.1414

255.9998,
299.8883, 445.8245

■ 0.0000, 0.0000,
1.1673

■ 0.0000, 0.0000,
0.0000

■ 32.8373, 42.5964,
82.0925

■ 32.8373, 42.5964,
82.0925

■ 32.8353, 42.5923,
82.0927

■ 34.0959, 44.5833,
82.4105

■ 35.8036, 46.8383,
82.7558

■ 38.0967, 49.4328,
83.1357

■ 41.0538, 52.4077,
83.5541

■ 44.7413, 55.7973,
84.0140

■ 49.2170, 59.6319,
84.5182

■ 54.5331, 63.9385,
85.0693

■ 60.7370, 68.7419,
85.6695

■ 67.8725, 74.0650,
86.3208

Harmonies

Analogous

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



29.4835, 42.5964, 61.2750



32.8373, 42.5964, 82.0925



38.5201, 42.5964, 94.0722

Triad

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



32.8373, 42.5964, 82.0925



54.8238, 42.5964, 52.3449



35.9420, 42.5964, 19.5047

Complementary

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



32.8373, 42.5964, 82.0925



33.7510, 18.5797, 1.8093

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.



42.5190, 42.5964, 18.3535



32.8373, 42.5964, 82.0925



53.9343, 42.5964, 34.1189

Square

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



32.8373, 42.5964, 82.0925



51.5498, 42.5964, 74.0081



49.2401, 42.5964, 22.8984



31.1316, 42.5964, 26.6585

Rectangle

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



32.8373, 42.5964, 82.0925



43.0786, 42.5964, 93.6365



49.2401, 42.5964, 22.8984



38.0007, 42.5964, 18.5007

Sweetspot

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



32.8387, 42.5979, 82.0936



68.1044, 79.9029, 106.4411



28.9360, 57.2964, 11.4154



13.9471, 16.5987, 22.7187



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.



32.8387, 42.5979, 82.0936



41.0296, 53.1792, 102.7099



17.0819, 11.0841, 76.8413



14.5784, 15.8782, 18.4408



18.4904, 24.0428, 46.0494



1.4236, 1.8911, 3.4220

Inverse Universe

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



42.2506, 20.7084, 50.4867



52.8390, 25.8996, 63.0097



44.5152, 40.1081, 5.3974



14.8795, 14.5690, 17.5660



23.7266, 11.6249, 28.5189



1.7822, 0.8706, 2.2595

Previews

White Background



This preview shows how the XYZ color 32.8373, 42.5964, 82.0925 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 32.8373, 42.5964, 82.0925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

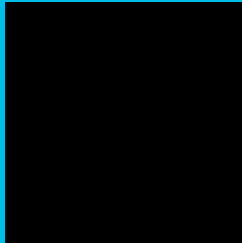
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8373, 42.5964, 82.0925

Background



This preview shows how black text looks on a background with the XYZ color 32.8373, 42.5964, 82.0925.

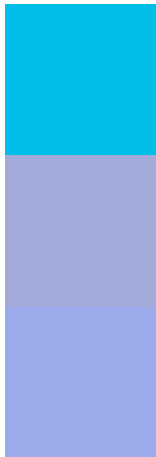


This preview shows how white text looks on a background with the XYZ color 32.8373, 42.5964,

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

32.8373, 42.5964, 82.0925

Protanopia

41.9876, 41.8170, 71.5041

Deuteranopia

43.0759, 42.0925, 84.4516



Tritanopia

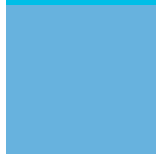
30.4551, 42.6940, 66.3101

Trichromacy



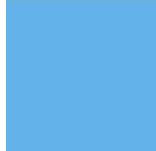
Original Color

32.8373, 42.5964, 82.0925



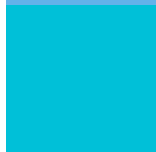
Protanomaly

34.6987, 39.9983, 74.9989



Deuteranomaly

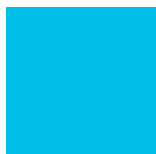
35.9173, 40.4340, 83.7534



Tritanomaly

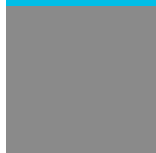
31.2443, 42.6571, 71.5527

Monochromacy



Original Color

32.8373, 42.5964, 82.0925



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.5279, 29.1672, 43.4195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8373, 42.5964, 82.0925 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, 190, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 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(0, 190, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 231) }
```

Border

The CSS property to change the border of an element to XYZ 32.8373, 42.5964, 82.0925 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, 190, 231) }
```


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

```
.border{ border-color:rgb(0, 190, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8373, 42.5964, 82.0925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 231) }
```

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

```
.background{ background-color: rgb(0, 190,  
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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