

Converting Colors

XYZ(12.0236, 30.5576, 82.6829)

Have a look what the booklet for
XYZ(12.0236, 30.5576, 82.6829)
contains.

XYZ(32.2669, 41.0010, 83.3041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2669, 41.0010,
83.3041)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAE9
RGB	0, 186, 233
RGB Percent	0%, 73%, 91%
CMY	0.9997, 0.2706, 0.0863
CMYK	1.00, 0.20, 0.00, 0.09
HSL	192°, 100%, 46%
HSV	192°, 100%, 91%
XYZ	32.2669, 41.0010, 83.3041
YIQ	135.7440, -125.9430, -24.8150

Conversions

Conversions Part 2

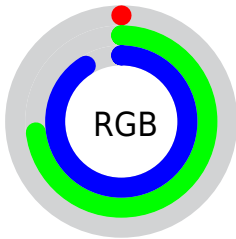
Format	Color
RYB	0, 103, 233
Decimal	47849
CIELab	70.18, -22.65, -34.34
CIELCh	70, 41.139, 236.592
Yxy	41.0010, 0.2061, 0.2619
Android (android.graphics.Color)	4278237929 (0xFF00BAE9)
YUV	135.7440, 47.9472, -119.0475
Hunter-Lab	64.0320, -22.1066, -32.3124

Details

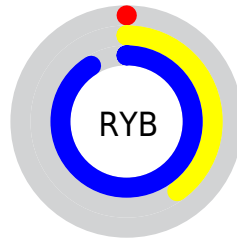
The XYZ color **32.2669, 41.0010, 83.3041** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.6240, 19.3620, 1.9142**, and the grayscale version is **23.1740, 24.3809, 26.5508**.

A 20% lighter version of the original color is **56.1088, 73.9755, 105.9292**, and **16.3233, 19.9494, 44.5853** is the 20% darker color. If you saturate the color by 10%, you get **32.2648, 40.9965, 83.3042**, and if you desaturate by 10%, it is **33.6361, 43.2021, 83.6576**.

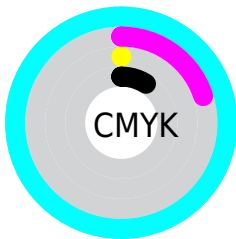
Distribution



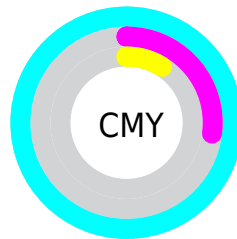
- Red (0%)
- Green (73%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2669, 41.0010, 83.3041 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 32.2669, 41.0010, 83.3041 by changing the saturation by 10% instead.

■ 32.2669, 41.0010,
83.3041

■ 32.2669, 41.0010,
83.3041

304.0570,
350.3248, 525.9970

■ 21.7220, 28.3199,
61.8990

■ 62.5916, 76.6854,
139.8543

■ 13.7682, 18.5669,
44.5158

■ 83.1022, 100.4575,
175.8365

■ 8.0403, 11.3578,
30.7361

■ 107.6653,
128.6953, 217.5148

■ 4.1727, 6.3080,
20.1412

■ 136.6463,
161.7833, 265.3078

■ 1.8003, 3.0333,
12.3126

■ 170.4107,
200.1059, 319.6340

■ 0.5179, 1.1491,
6.8318

209.3237,

■ 0.0000, 0.0196,

244.0474, 380.9118

3.2803

253.7507,
293.9922, 449.5600

■ 0.0000, 0.0000,
1.2395

■ 0.0000, 0.0000,
0.0114

■ 32.2669, 41.0010,
83.3041

■ 32.2669, 41.0010,
83.3041

■ 32.2648, 40.9965,
83.3042

■ 33.6361, 43.2021,
83.6576

■ 35.4709, 45.6914,
84.0414

■ 37.9102, 48.5416,
84.4630

■ 41.0344, 51.7946,
84.9262

■ 44.9113, 55.4858,
85.4343

■ 49.6002, 59.6461,
85.9902

■ 55.1544, 64.3036,
86.5965

■ 61.6225, 69.4835,
87.2554

■ 69.0493, 75.2096,
87.9692

Harmonies

Analogous

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



28.5006, 41.0010, 63.3845



32.2669, 41.0010, 83.3041



38.2055, 41.0010, 92.8334

Triad

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



32.2669, 41.0010, 83.3041



53.3770, 41.0010, 46.8842



33.4569, 41.0010, 19.0159

Complementary

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



32.2669, 41.0010, 83.3041



34.6240, 19.3620, 1.9142

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.



39.7451, 41.0010, 16.9149



32.2669, 41.0010, 83.3041



51.7332, 41.0010, 30.0163

Square

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



32.2669, 41.0010, 83.3041



50.8089, 41.0010, 68.3315



46.5430, 41.0010, 20.2915



29.1301, 41.0010, 27.1800

Rectangle

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



32.2669, 41.0010, 83.3041



42.7857, 41.0010, 90.4457



46.5430, 41.0010, 20.2915



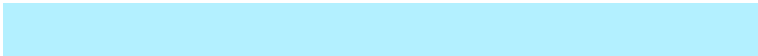
35.3886, 41.0010, 17.7008

Sweetspot

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



32.2683, 41.0024, 83.3051



67.5572, 78.8085, 106.2587



29.6461, 58.4813, 12.3781



13.8150, 16.3345, 22.6747



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.



32.2683, 41.0024, 83.3051



39.5359, 50.1919, 102.2120



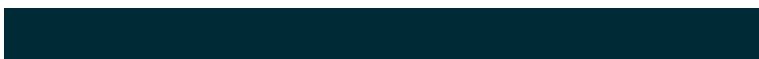
16.8957, 10.2572, 78.1809



15.2446, 16.5756, 19.3182



18.3979, 23.4427, 47.2982



1.5100, 1.9714, 3.7358

Inverse Universe

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



42.4685, 20.8705, 48.2457



52.0851, 25.5980, 59.0396



46.7235, 43.5610, 5.9474



15.5770, 15.2587, 18.3238



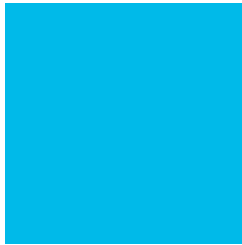
24.1417, 11.8594, 27.6112



1.9287, 0.9444, 2.3417

Previews

White Background



This preview shows how the XYZ color 32.2669, 41.0010, 83.3041 looks on a white background.

Color Contrast Check

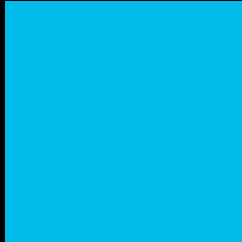
Large Text (above 18pt) WCAG AA × Fail

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 32.2669, 41.0010, 83.3041 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

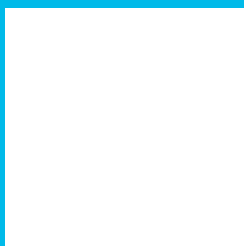
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2669, 41.0010, 83.3041

Background



This preview shows how black text looks on a background with the XYZ color 32.2669, 41.0010, 83.3041.



This preview shows how white text looks on a background with the XYZ color 32.2669, 41.0010,

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

32.2669, 41.0010, 83.3041

Protanopia

40.8255, 40.3407, 73.3449

Deuteranopia

41.5014, 40.4156, 85.7344



Tritanopia

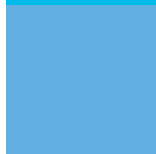
29.0967, 40.7548, 63.4597

Trichromacy



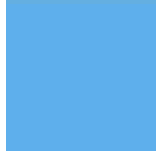
Original Color

32.2669, 41.0010, 83.3041



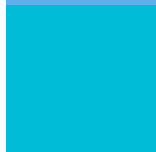
Protanomaly

34.1761, 38.8055, 76.9231



Deuteranomaly

35.0864, 39.0958, 85.0539



Tritanomaly

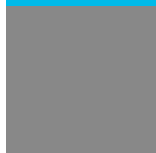
30.2490, 40.8727, 70.5849

Monochromacy



Original Color

32.2669, 41.0010, 83.3041



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.8368, 28.0777, 42.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2669, 41.0010, 83.3041 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, 186, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 233)  
}
```

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, 186, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 233) }
```

Border

The CSS property to change the border of an element to XYZ 32.2669, 41.0010, 83.3041 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, 186, 233) }
```


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

```
.border{ border-color:rgb(0, 186, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2669, 41.0010, 83.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 233) }
```

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

```
.background{ background-color: rgb(0, 186,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor