

Converting Colors

XYZ(31.8835, 41.5353, 81.0754)

Have a look what the booklet for
XYZ(31.8835, 41.5353, 81.0754)
contains.

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Color

**XYZ(32.2661, 41.6796,
81.2073)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCE6
RGB	0, 188, 230
RGB Percent	0%, 74%, 90%
CMY	0.9998, 0.2627, 0.0980
CMYK	1.00, 0.18, 0.00, 0.10
HSL	191°, 100%, 45%
HSV	191°, 100%, 90%
XYZ	32.2661, 41.6796, 81.2073
YIQ	136.5760, -125.5300, -26.7940

Conversions

Conversions Part 2

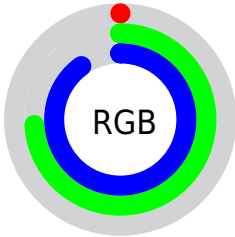
Format	Color
RYB	0, 103, 230
Decimal	48358
CIELab	70.65, -24.69, -31.98
CIELCh	71, 40.402, 232.327
Yxy	41.6796, 0.2080, 0.2686
Android (android.graphics.Color)	4278238438 (0xFF00BCE6)
YUV	136.5760, 46.0580, -119.7772
Hunter-Lab	64.5597, -23.7676, -29.3869

Details

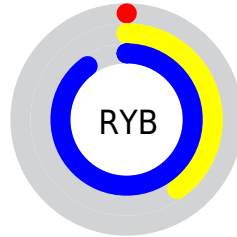
The XYZ color **32.2661, 41.6796, 81.2073** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.4637, 18.4831, 1.8055**, and the grayscale version is **23.4907, 24.7140, 26.9136**.

A 20% lighter version of the original color is **56.5850, 75.1095, 106.1230**, and **16.1651, 20.1062, 43.0733** is the 20% darker color. If you saturate the color by 10%, you get **32.2647, 41.6764, 81.2076**, and if you desaturate by 10%, it is **33.5320, 43.6847, 81.5284**.

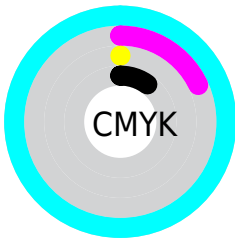
Distribution



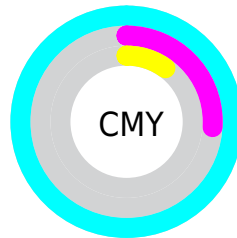
- Red (0%)
- Green (74%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2661, 41.6796, 81.2073 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 32.2661, 41.6796, 81.2073 by changing the saturation by 10% instead.

■ 32.2661, 41.6796,
81.2073

■ 32.2661, 41.6796,
81.2073

304.0534,
353.1530, 518.8059

■ 21.7214, 28.8505,
60.1803

■ 62.5904, 77.7145,
136.8885

■ 13.7678, 18.9678,
43.1378

■ 83.1007, 101.6890,
172.3798

■ 8.0399, 11.6470,
29.6610

■ 107.6635,
130.1476, 213.5297

■ 4.1725, 6.5038,
19.3316

■ 136.6442,
163.4744, 260.7566

■ 1.8002, 3.1538,
11.7309

■ 170.4083,
202.0540, 314.4792

■ 0.5178, 1.2125,
6.4404

209.3209,

■ 0.0000, 0.0719,

246.2707, 375.1159

3.0416

253.7475,
296.5089, 443.0853

■ 0.0000, 0.0000,
1.1159

■ 0.0000, 0.0000,
0.0000

■ 32.2661, 41.6796,
81.2073

■ 32.2661, 41.6796,
81.2073

■ 32.2647, 41.6764,
81.2076

■ 33.5320, 43.6847,
81.5284

■ 35.2435, 45.9578,
81.8770

■ 37.5360, 48.5699,
82.2603

■ 40.4872, 51.5613,
82.6822

■ 44.1628, 54.9662,
83.1457

■ 48.6202, 58.8144,
83.6535

■ 53.9107, 63.1328,
84.2082

■ 60.0814, 67.9459,
84.8120

■ 67.1758, 73.2764,
85.4670

Harmonies

Analogous

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



28.8732, 41.6796, 60.8550



32.2661, 41.6796, 81.2073



37.9232, 41.6796, 92.5243

Triad

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



32.2661, 41.6796, 81.2073



53.7708, 41.6796, 50.4780



34.9293, 41.6796, 19.1331

Complementary

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



32.2661, 41.6796, 81.2073



33.4637, 18.4831, 1.8055

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.



41.3568, 41.6796, 17.7988



32.2661, 41.6796, 81.2073



52.7372, 41.6796, 32.7829

Square

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



32.2661, 41.6796, 81.2073



50.6870, 41.6796, 71.8082



48.0032, 41.6796, 22.0326



30.2859, 41.6796, 26.3941

Rectangle

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



32.2661, 41.6796, 81.2073



42.4236, 41.6796, 91.6922



48.0032, 41.6796, 22.0326



36.9336, 41.6796, 18.0784

Sweetspot

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



32.2675, 41.6811, 81.2083



67.9885, 79.6711, 106.4024



28.6538, 56.7370, 11.3071



13.9191, 16.5427, 22.7094



0.0000, 0.0000, 0.0000



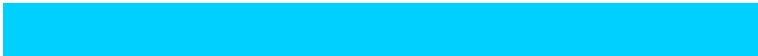
20.3446, 21.4041, 23.3091

Same Dimension

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



32.2675, 41.6811, 81.2083



40.7097, 52.5393, 102.6032



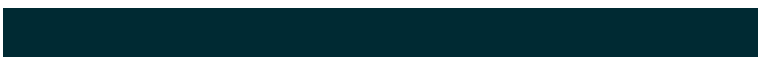
16.9170, 10.9800, 76.0915



14.5719, 15.8651, 18.4386



18.3493, 23.7607, 46.0023



1.4144, 1.8727, 3.4189

Inverse Universe

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



41.7115, 20.4553, 49.3281



52.6776, 25.8350, 62.1594



44.0828, 39.7214, 5.3452



14.8762, 14.5677, 17.5487



23.6554, 11.5964, 28.1439



1.7775, 0.8687, 2.2350

Previews

White Background



This preview shows how the XYZ color 32.2661, 41.6796, 81.2073 looks on a white background.

Color Contrast Check

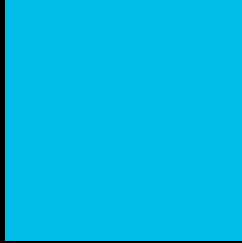
Large Text (above 18pt) WCAG AA × Fail

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 32.2661, 41.6796, 81.2073 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 32.2661, 41.6796, 81.2073

Background



This preview shows how black text looks on a background with the XYZ color 32.2661, 41.6796, 81.2073.

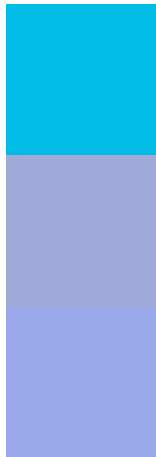


This preview shows how white text looks on a background with the XYZ color 32.2661, 41.6796,

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

32.2661, 41.6796, 81.2073

Protanopia

41.3963, 41.2328, 71.4225

Deuteranopia

42.1761, 41.0888, 83.5499



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

32.2661, 41.6796, 81.2073

Protanomaly

34.3864, 39.5430, 74.9274

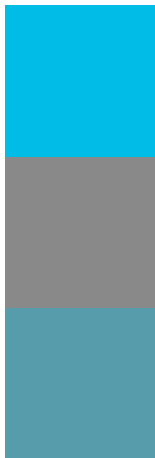
Deuteranomaly

35.1631, 39.4752, 82.8570

Tritanomaly

30.6792, 41.7332, 70.7283

Monochromacy



Original Color

32.2661, 41.6796, 81.2073

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.1696, 28.7434, 42.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2661, 41.6796, 81.2073 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, 188, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 230)  
}
```

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, 188, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 230) }
```

Border

The CSS property to change the border of an element to XYZ 32.2661, 41.6796, 81.2073 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, 188, 230) }
```


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

```
.border{ border-color:rgb(0, 188, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2661, 41.6796, 81.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 230) }
```

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

```
.background{ background-color: rgb(0, 188,  
230) }
```

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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