

Converting Colors

XYZ(25.5818, 34.8560, 85.6514)

Have a look what the booklet for
XYZ(25.5818, 34.8560, 85.6514)
contains.

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Color

**XYZ(31.0082, 37.5587,
85.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1ED
RGB	0, 177, 237
RGB Percent	0%, 69%, 93%
CMY	0.9997, 0.3059, 0.0706
CMYK	1.00, 0.25, 0.00, 0.07
HSL	195°, 100%, 46%
HSV	195°, 100%, 93%
XYZ	31.0082, 37.5587, 85.7360
YIQ	130.9170, -124.7520, -18.8640

Conversions

Conversions Part 2

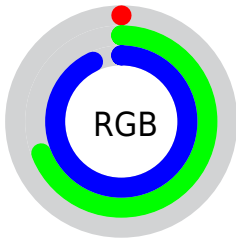
Format	Color
RYB	0, 101, 237
Decimal	45549
CIELab	67.69, -16.55, -40.38
CIELCh	68, 43.643, 247.720
Yxy	37.5587, 0.2010, 0.2434
Android (android.graphics.Color)	4278235629 (0xFF00B1ED)
YUV	130.9170, 52.2989, -114.8142
Hunter-Lab	61.2852, -16.9341, -40.0452

Details

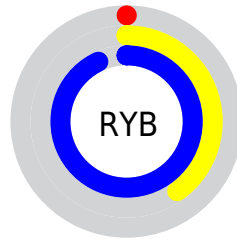
The XYZ color **31.0082, 37.5587, 85.7360** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.5450, 21.2433, 2.1761**, and the grayscale version is **21.4024, 22.5170, 24.5210**.

A 20% lighter version of the original color is **53.4956, 68.7490, 105.0581**, and **15.5481, 17.7515, 46.3230** is the 20% darker color. If you saturate the color by 10%, you get **31.0055, 37.5531, 85.7358**, and if you desaturate by 10%, it is **32.5915, 40.1742, 86.1582**.

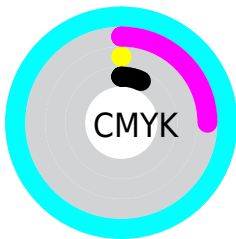
Distribution



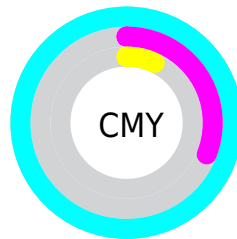
- Red (0%)
- Green (69%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0082, 37.5587, 85.7360 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 31.0082, 37.5587, 85.7360 by changing the saturation by 10% instead.

■ 31.0082, 37.5587,
85.7360

■ 31.0082, 37.5587,
85.7360

298.4023,
335.7231, 534.2683

■ 20.7569, 25.6404,
63.8960

■ 60.6287, 71.4312,
143.2843

■ 13.0579, 16.5548,
46.1208

■ 80.7287, 94.1542,
179.8297

■ 7.5457, 9.9176,
31.9918

■ 104.8424,
121.2476, 222.1141

■ 3.8550, 5.3443,
21.0905

■ 133.3350,
153.0956, 270.5559

■ 1.6204, 2.4507,
12.9983

■ 166.5719,
190.0828, 325.5736

■ 0.4057, 0.8518,
7.2966

204.9185,

■ 0.0000, 0.0000,

232.5935, 387.5859

3.5671

248.7402,
281.0122, 457.0113

■ 0.0000, 0.0000,
1.3910

■ 0.0000, 0.0000,
0.1347

■ 31.0082, 37.5587,
85.7360

■ 31.0082, 37.5587,
85.7360

■ 31.0055, 37.5531,
85.7358

■ 32.5915, 40.1742,
86.1582

■ 34.6787, 43.1273,
86.6182

■ 37.4135, 46.4935,
87.1238

■ 40.8801, 50.3173,
87.6791

■ 45.1496, 54.6361,
88.2877

■ 50.2842, 59.4829,
88.9526

■ 56.3397, 64.8875,
89.6766

■ 63.3671, 70.8768,
90.4623

■ 71.4134, 77.4761,
91.3120

Harmonies

Analogous

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



26.3994, 37.5587, 68.0560



31.0082, 37.5587, 85.7360



37.4673, 37.5587, 89.7849

Triad

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



31.0082, 37.5587, 85.7360



50.1378, 37.5587, 36.1103



28.3440, 37.5587, 18.0061

Complementary

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



31.0082, 37.5587, 85.7360



36.5450, 21.2433, 2.1761

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.



33.9861, 37.5587, 14.0448



31.0082, 37.5587, 85.7360



46.9588, 37.5587, 22.1352

Square

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



31.0082, 37.5587, 85.7360



49.0795, 37.5587, 56.6376



40.8392, 37.5587, 15.2726



25.0016, 37.5587, 28.3787

Rectangle

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



31.0082, 37.5587, 85.7360



42.0705, 37.5587, 83.3209



40.8392, 37.5587, 15.2726



30.0046, 37.5587, 16.0575

Sweetspot

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



31.0096, 37.5600, 85.7370



66.4135, 76.5211, 105.8774



31.0825, 60.8883, 14.2928



13.5396, 15.7837, 22.5829



0.0000, 0.0000, 0.0000



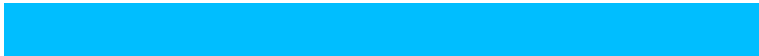
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0096, 37.5600, 85.7370



36.5560, 44.2320, 101.2187



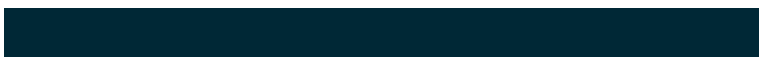
16.8664, 9.2736, 81.0226



15.1760, 16.4384, 19.2953



17.0379, 20.7229, 46.8449



1.4138, 1.7790, 3.7037

Inverse Universe

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



42.8621, 21.1805, 43.4252



50.5810, 24.9964, 51.1189



50.7998, 49.7530, 6.9277



15.5424, 15.2448, 18.1415



23.4553, 11.5848, 23.9965



1.8801, 0.9250, 2.0860

Previews

White Background



This preview shows how the XYZ color 31.0082, 37.5587, 85.7360 looks on a white background.

Color Contrast Check

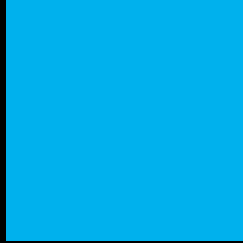
Large Text (above 18pt) WCAG AA × Fail

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 31.0082, 37.5587, 85.7360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

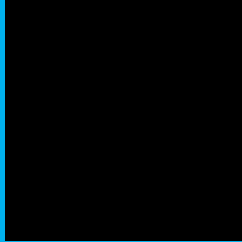
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0082, 37.5587, 85.7360

Background



This preview shows how black text looks on a background with the XYZ color 31.0082, 37.5587, 85.7360.



This preview shows how white text looks on a background with the XYZ color 31.0082, 37.5587,

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

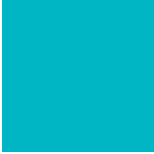
31.0082, 37.5587, 85.7360

Protanopia

38.1880, 37.2966, 76.4204

Deuteranopia

38.1854, 37.3110, 87.6272



Tritanopia

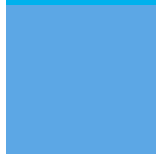
26.6918, 37.4414, 58.0447

Trichromacy



Original Color

31.0082, 37.5587, 85.7360



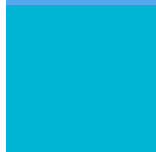
Protanomaly

32.3752, 35.5699, 79.2881



Deuteranomaly

33.1499, 36.0763, 86.8776



Tritanomaly

28.0791, 37.3457, 67.3565

Monochromacy



Original Color

31.0082, 37.5587, 85.7360



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.4129, 25.9211, 41.9049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0082, 37.5587, 85.7360 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, 177, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 237)  
}
```

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, 177, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 237) }
```

Border

The CSS property to change the border of an element to XYZ 31.0082, 37.5587, 85.7360 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, 177, 237) }
```


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

```
.border{ border-color:rgb(0, 177, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0082, 37.5587, 85.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 237) }
```

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

```
.background{ background-color: rgb(0, 177,  
237) }
```

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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