

Converting Colors

XYZ(31.1568, 37.5447, 86.7441)

Have a look what the booklet for
XYZ(31.1568, 37.5447, 86.7441)
contains.

XYZ(31.1548, 37.6173, 86.5078)	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(31.1548, 37.6173,
86.5078)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1EE
RGB	0, 177, 238
RGB Percent	0%, 69%, 93%
CMY	0.9997, 0.3059, 0.0667
CMYK	1.00, 0.26, 0.00, 0.07
HSL	195°, 100%, 47%
HSV	195°, 100%, 93%
XYZ	31.1548, 37.6173, 86.5078
YIQ	131.0310, -125.0730, -18.5530

Conversions

Conversions Part 2

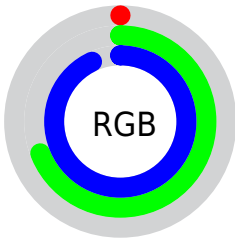
Format	Color
RYB	0, 102, 238
Decimal	45550
CIELab	67.74, -16.19, -40.86
CIELCh	68, 43.953, 248.383
Yxy	37.6173, 0.2006, 0.2423
Android (android.graphics.Color)	4278235630 (0xFF00B1EE)
YUV	131.0310, 52.7357, -114.9142
Hunter-Lab	61.3329, -16.6614, -40.6932

Details

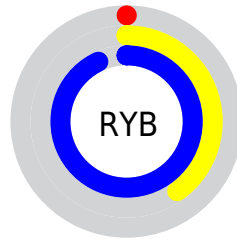
The XYZ color **31.1548, 37.6173, 86.5078** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.9331, 21.5224, 2.2097**, and the grayscale version is **21.4421, 22.5587, 24.5665**.

A 20% lighter version of the original color is **53.4956, 68.7490, 105.0581**, and **15.6511, 17.7927, 46.8654** is the 20% darker color. If you saturate the color by 10%, you get **31.1517, 37.6110, 86.5075**, and if you desaturate by 10%, it is **32.7612, 40.2754, 86.9370**.

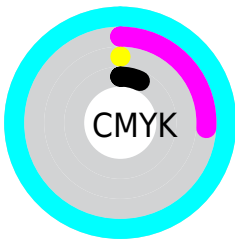
Distribution



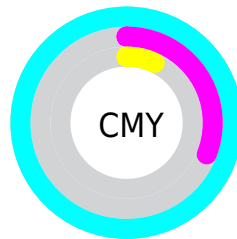
- Red (0%)
- Green (69%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1548, 37.6173, 86.5078 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 31.1548, 37.6173, 86.5078 by changing the saturation by 10% instead.

■ 31.1548, 37.6173,
86.5078

■ 31.1548, 37.6173,
86.5078

299.0650,
335.9754, 536.8783

■ 20.8692, 25.6858,
64.5307

■ 60.8579, 71.5212,
144.3707

■ 13.1403, 16.5887,
46.6317

■ 81.0061, 94.2623,
181.0936

■ 7.6029, 9.9417,
32.3923

■ 105.1724,
121.3755, 223.5687

■ 3.8916, 5.3603,
21.3940

■ 133.7224,
153.2451, 272.2148

■ 1.6410, 2.4602,
13.2183

■ 167.0213,
190.2555, 327.4502

■ 0.4189, 0.8566,
7.4465

205.4344,

■ 0.0000, 0.0000,

232.7911, 389.6936

3.6603

249.3272,
281.2363, 459.3634

■ 0.0000, 0.0000,
1.4409

■ 0.0000, 0.0000,
0.1733

■ 31.1548, 37.6173,
86.5078

■ 31.1548, 37.6173,
86.5078

■ 31.1517, 37.6110,
86.5075

■ 32.7612, 40.2754,
86.9370

■ 34.8780, 43.2771,
87.4048

■ 37.6500, 46.6985,
87.9191

■ 41.1624, 50.5847,
88.4841

■ 45.4870, 54.9735,
89.1033

■ 50.6867, 59.8983,
89.7798

■ 56.8180, 65.3892,
90.5165

■ 63.9322, 71.4736,
91.3159

■ 72.0770, 78.1769,
92.1805

Harmonies

Analogous

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



26.4615, 37.6173, 68.8538



31.1548, 37.6173, 86.5078



37.6925, 37.6173, 90.2330

Triad

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



31.1548, 37.6173, 86.5078



50.2958, 37.6173, 35.7434



28.2415, 37.6173, 18.0765

Complementary

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



31.1548, 37.6173, 86.5078



36.9331, 21.5224, 2.2097

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.



33.8834, 37.6173, 13.9776



31.1548, 37.6173, 86.5078



47.0015, 37.6173, 21.8454

Square

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



31.1548, 37.6173, 86.5078



49.3240, 37.6173, 56.3433



40.7852, 37.6173, 15.0958



24.9337, 37.6173, 28.6656

Rectangle

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



31.1548, 37.6173, 86.5078



42.3297, 37.6173, 83.4723



40.7852, 37.6173, 15.0958



29.8974, 37.6173, 16.0755

Sweetspot

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



31.1562, 37.6186, 86.5088



66.3444, 76.3830, 105.8544



31.3796, 61.4717, 14.4247



13.5230, 15.7505, 22.5774



0.0000, 0.0000, 0.0000



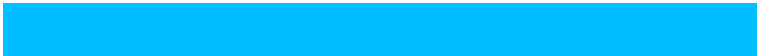
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1562, 37.6186, 86.5088



36.3822, 43.8845, 101.1607



17.0262, 9.3587, 81.7988



15.8844, 17.2029, 20.2049



17.4888, 21.2018, 48.2985



1.5342, 1.9225, 4.0444

Inverse Universe

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



43.1970, 21.3533, 43.4408



50.4933, 24.9613, 50.6570



51.2844, 50.2250, 6.9934



16.2711, 15.9581, 18.9837



24.1532, 11.9337, 24.5208



2.0494, 1.0088, 2.2508

Previews

White Background



This preview shows how the XYZ color 31.1548, 37.6173, 86.5078 looks on a white background.

Color Contrast Check

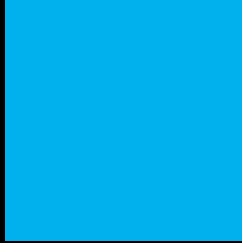
Large Text (above 18pt) WCAG AA × Fail

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 31.1548, 37.6173, 86.5078 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 31.1548, 37.6173, 86.5078

Background



This preview shows how black text looks on a background with the XYZ color 31.1548, 37.6173, 86.5078.



This preview shows how white text looks on a background with the XYZ color 31.1548, 37.6173,

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

31.1548, 37.6173, 86.5078

Protanopia

38.3249, 37.3514, 77.1411

Deuteranopia

38.3344, 37.3706, 88.4119



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

31.1548, 37.6173, 86.5078



Protanomaly

32.5153, 35.6259, 80.0257



Deuteranomaly

33.2981, 36.1355, 87.6579



Tritanomaly

28.0791, 37.3457, 67.3565

Monochromacy



Original Color

31.1548, 37.6173, 86.5078



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 31.1548, 37.6173, 86.5078 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 238) }
```

Border

The CSS property to change the border of an element to XYZ 31.1548, 37.6173, 86.5078 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, 238) }
```


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

```
.border{ border-color:rgb(0, 177, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1548, 37.6173, 86.5078 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, 238) }
```

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

```
.background{ background-color: rgb(0, 177,  
238) }
```

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