

Converting Colors

XYZ(30.3757, 37.1429, 84.7923)

Have a look what the booklet for
XYZ(30.3757, 37.1429, 84.7923)
contains.

XYZ(30.8625, 37.5004, 84.9686)	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(30.8625, 37.5004,
84.9686)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1EC
RGB	0, 177, 236
RGB Percent	0%, 69%, 93%
CMY	0.9997, 0.3059, 0.0745
CMYK	1.00, 0.25, 0.00, 0.07
HSL	195°, 100%, 46%
HSV	195°, 100%, 93%
XYZ	30.8625, 37.5004, 84.9686
YIQ	130.8030, -124.4310, -19.1750

Conversions

Conversions Part 2

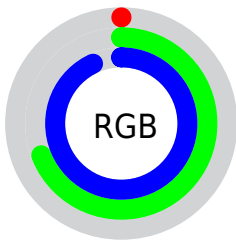
Format	Color
RYB	0, 101, 236
Decimal	45548
CIELab	67.65, -16.90, -39.91
CIELCh	68, 43.337, 247.048
Yxy	37.5004, 0.2013, 0.2446
Android (android.graphics.Color)	4278235628 (0xFF00B1EC)
YUV	130.8030, 51.8621, -114.7142
Hunter-Lab	61.2376, -17.2053, -39.4000

Details

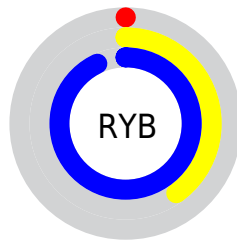
The XYZ color **30.8625, 37.5004, 84.9686** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.1602, 20.9680, 2.1433**, and the grayscale version is **21.3636, 22.4762, 24.4766**.

A 20% lighter version of the original color is **53.4956, 68.7490, 105.0581**, and **15.4459, 17.7106, 45.7844** is the 20% darker color. If you saturate the color by 10%, you get **30.8596, 37.4945, 84.9684**, and if you desaturate by 10%, it is **32.4229, 40.0735, 85.3838**.

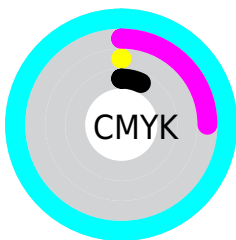
Distribution



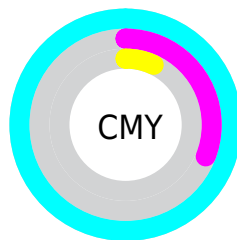
- Red (0%)
- Green (69%)
- Blue (93%)



- 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 30.8625, 37.5004, 84.9686 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 30.8625, 37.5004, 84.9686 by changing the saturation by 10% instead.

■ 30.8625, 37.5004,
84.9686

■ 30.8625, 37.5004,
84.9686

297.7426,
335.4719, 531.6660

■ 20.6455, 25.5952,
63.2654

■ 60.4008, 71.3417,
142.2031

■ 12.9761, 16.5210,
45.6136

■ 80.4529, 94.0466,
178.5715

■ 7.4890, 9.8936,
31.5946

■ 104.5140,
121.1202, 220.6654

■ 3.8188, 5.3285,
20.7898

■ 132.9494,
152.9468, 268.9033

■ 1.6001, 2.4412,
12.7807

■ 166.1247,
189.9109, 323.7038

■ 0.3925, 0.8470,
7.1487

204.4051,

■ 0.0000, 0.0000,

232.3969, 385.4854

3.4754

248.1559,
280.7891, 454.6666

■ 0.0000, 0.0000,
1.3422

■ 0.0000, 0.0000,
0.0960

■ 30.8625, 37.5004,
84.9686

■ 30.8625, 37.5004,
84.9686

■ 30.8596, 37.4945,
84.9684

■ 32.4229, 40.0735,
85.3838

■ 34.4809, 42.9783,
85.8360

■ 37.1788, 46.2897,
86.3330

■ 40.6002, 50.0516,
86.8788

■ 44.8153, 54.3011,
87.4768

■ 49.8855, 59.0707,
88.1302

■ 55.8662, 64.3898,
88.8417

■ 62.8076, 70.2851,
89.6138

■ 70.7564, 76.7815,
90.4487

Harmonies

Analogous

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



26.3379, 37.5004, 67.2649



30.8625, 37.5004, 84.9686



37.2435, 37.5004, 89.3375

Triad

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



30.8625, 37.5004, 84.9686



49.9800, 37.5004, 36.4794



28.4469, 37.5004, 17.9365

Complementary

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



30.8625, 37.5004, 84.9686



36.1602, 20.9680, 2.1433

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.



34.0891, 37.5004, 14.1128



30.8625, 37.5004, 84.9686



46.9161, 37.5004, 22.4278

Square

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



30.8625, 37.5004, 84.9686



48.8359, 37.5004, 56.9323



40.8933, 37.5004, 15.4511



25.0698, 37.5004, 28.0945

Rectangle

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



30.8625, 37.5004, 84.9686



41.8127, 37.5004, 83.1688



40.8933, 37.5004, 15.4511



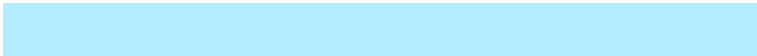
30.1122, 37.5004, 16.0402

Sweetspot

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



30.8638, 37.5017, 84.9696



66.4830, 76.6602, 105.9006



30.7874, 60.3083, 14.1626



13.5563, 15.8172, 22.5885



0.0000, 0.0000, 0.0000



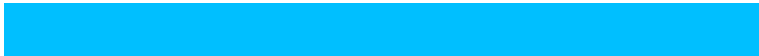
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8638, 37.5017, 84.9696



36.7316, 44.5833, 101.2772



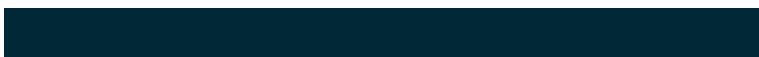
16.7079, 9.1898, 80.2509



15.1802, 16.4468, 19.2967



17.1182, 20.8833, 46.8716



1.4195, 1.7905, 3.7057

Inverse Universe

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



42.5292, 21.0089, 43.4096



50.6696, 25.0318, 51.5857



50.3185, 49.2845, 6.8627



15.5445, 15.2457, 18.1527



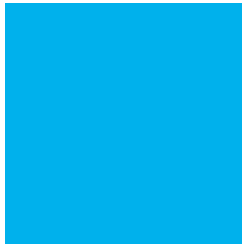
23.4958, 11.6010, 24.2098



1.8830, 0.9262, 2.1012

Previews

White Background



This preview shows how the XYZ color 30.8625, 37.5004, 84.9686 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 30.8625, 37.5004, 84.9686 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 30.8625, 37.5004, 84.9686

Background



This preview shows how black text looks on a background with the XYZ color 30.8625, 37.5004, 84.9686.

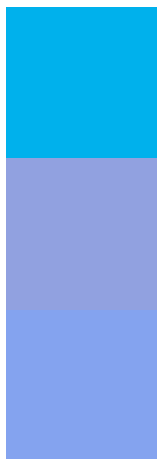


This preview shows how white text looks on a background with the XYZ color 30.8625, 37.5004,

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

30.8625, 37.5004, 84.9686

Protanopia

37.8765, 36.8913, 75.6454

Deuteranopia

38.1929, 37.3319, 86.8542



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

30.8625, 37.5004, 84.9686

Protanomaly

32.2359, 35.5142, 78.5547

Deuteranomaly

33.0914, 36.0631, 86.1057

Tritanomaly

28.0791, 37.3457, 67.3565

Monochromacy



Original Color

30.8625, 37.5004, 84.9686

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3186, 25.8834, 41.4085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8625, 37.5004, 84.9686 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 236) }
```

Border

The CSS property to change the border of an element to XYZ 30.8625, 37.5004, 84.9686 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, 236) }
```


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

```
.border{ border-color:rgb(0, 177, 236) }
```

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, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8625, 37.5004, 84.9686 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, 236) }
```

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

```
.background{ background-color: rgb(0, 177,  
236) }
```

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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