

Converting Colors

XYZ(16.2354, 29.6417, 85.5898)

Have a look what the booklet for
XYZ(16.2354, 29.6417, 85.5898)
contains.

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Color

**XYZ(30.9580, 37.2237,
86.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0EE
RGB	0, 176, 238
RGB Percent	0%, 69%, 93%
CMY	0.9997, 0.3098, 0.0667
CMYK	1.00, 0.26, 0.00, 0.07
HSL	196°, 100%, 47%
HSV	196°, 100%, 93%
XYZ	30.9580, 37.2237, 86.4422
YIQ	130.4440, -124.7980, -18.0300

Conversions

Conversions Part 2

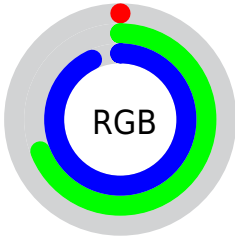
Format	Color
RYB	0, 101, 238
Decimal	45294
CIELab	67.44, -15.66, -41.32
CIELCh	67, 44.187, 249.248
Yxy	37.2237, 0.2002, 0.2407
Android (android.graphics.Color)	4278235374 (0xFF00B0EE)
YUV	130.4440, 53.0251, -114.3994
Hunter-Lab	61.0112, -16.1961, -41.2957

Details

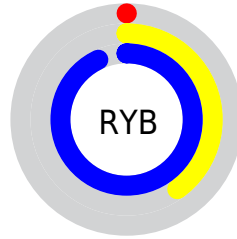
The XYZ color **30.9580, 37.2237, 86.4422** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.9871, 21.6303, 2.2277**, and the grayscale version is **21.2328, 22.3386, 24.3267**.

A 20% lighter version of the original color is **53.2133, 68.1844, 104.9640**, and **15.6511, 17.7927, 46.8654** is the 20% darker color. If you saturate the color by 10%, you get **30.9549, 37.2173, 86.4419**, and if you desaturate by 10%, it is **32.5761, 39.9051, 86.8753**.

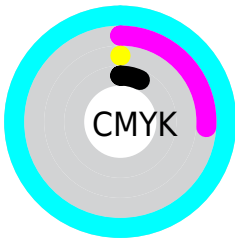
Distribution



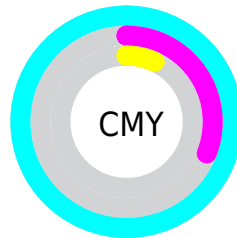
- Red (0%)
- Green (69%)
- Blue (93%)



- 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 30.9580, 37.2237, 86.4422 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 30.9580, 37.2237, 86.4422 by changing the saturation by 10% instead.

■ 30.9580, 37.2237,
86.4422

■ 30.9580, 37.2237,
86.4422

298.1751,
334.2780, 536.6567

■ 20.7185, 25.3807,
64.4767

■ 60.5502, 70.9167,
144.2784

■ 13.0297, 16.3609,
46.5882

■ 80.6337, 93.5355,
180.9862

■ 7.5261, 9.7799,
32.3582

■ 104.7292,
120.5151, 223.4452

■ 3.8425, 5.2533,
21.3682

■ 133.2022,
152.2398, 272.0739

■ 1.6134, 2.3966,
13.1996

■ 166.4179,
189.0941, 327.2908

■ 0.4011, 0.8242,
7.4338

204.7417,

■ 0.0000, 0.0000,

231.4623, 389.5146

3.6523

248.5390,
279.7288, 459.1637

■ 0.0000, 0.0000,
1.4366

■ 0.0000, 0.0000,
0.1700

■ 30.9580, 37.2237,
86.4422

■ 30.9580, 37.2237,
86.4422

■ 30.9549, 37.2173,
86.4419

■ 32.5761, 39.9051,
86.8753

■ 34.7062, 42.9334,
87.3475

■ 37.4932, 46.3850,
87.8668

■ 41.0224, 50.3048,
88.4374

■ 45.3657, 54.7309,
89.0628

■ 50.5859, 59.6967,
89.7462

■ 56.7395, 65.2323,
90.4903

■ 63.8780, 71.3651,
91.2979

■ 72.0490, 78.1208,
92.1712

Harmonies

Analogous

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



26.2122, 37.2237, 69.0461



30.9580, 37.2237, 86.4422



37.5173, 37.2237, 89.6921

Triad

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



30.9580, 37.2237, 86.4422



49.8738, 37.2237, 34.8199



27.7547, 37.2237, 17.9434

Complementary

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



30.9580, 37.2237, 86.4422



36.9871, 21.6303, 2.2277

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.



33.3255, 37.2237, 13.7156



30.9580, 37.2237, 86.4422



46.4693, 37.2237, 21.1968

Square

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



30.9580, 37.2237, 86.4422



49.0282, 37.2237, 55.2544



40.2042, 37.2237, 14.6780



24.5335, 37.2237, 28.6861

Rectangle

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



30.9580, 37.2237, 86.4422



42.1412, 37.2237, 82.6255



40.2042, 37.2237, 14.6780



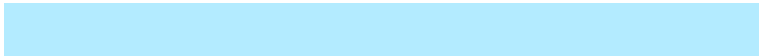
29.3837, 37.2237, 15.8984

Sweetspot

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



30.9593, 37.2249, 86.4431



66.2522, 76.1986, 105.8237



31.3796, 61.4717, 14.4247



13.5009, 15.7062, 22.5700



0.0000, 0.0000, 0.0000



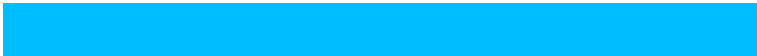
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9593, 37.2249, 86.4431



36.1515, 43.4231, 101.0838



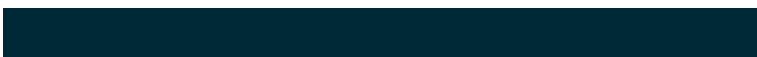
17.0262, 9.3587, 81.7988



15.8785, 17.1912, 20.2029



17.3800, 20.9842, 48.2622



1.5260, 1.9059, 4.0417

Inverse Universe

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



43.0977, 21.3135, 42.9177



50.3768, 24.9147, 50.0439



51.2844, 50.2250, 6.9934



16.2681, 15.9570, 18.9682



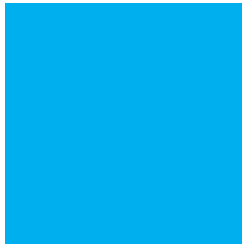
24.0982, 11.9117, 24.2316



2.0452, 1.0071, 2.2288

Previews

White Background



This preview shows how the XYZ color 30.9580, 37.2237, 86.4422 looks on a white background.

Color Contrast Check

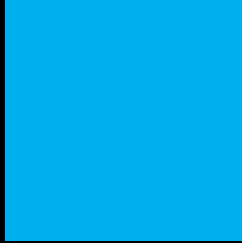
Large Text (above 18pt) WCAG AA × Fail

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 30.9580, 37.2237, 86.4422 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

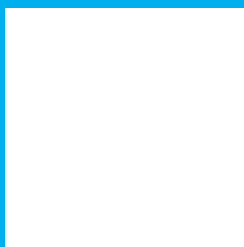
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9580, 37.2237, 86.4422

Background



This preview shows how black text looks on a background with the XYZ color 30.9580, 37.2237, 86.4422.



This preview shows how white text looks on a background with the XYZ color 30.9580, 37.2237,

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

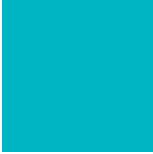
30.9580, 37.2237, 86.4422

Protanopia

37.9739, 36.9100, 77.0744

Deuteranopia

37.8508, 36.8587, 88.3386



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

30.9580, 37.2237, 86.4422



Protanomaly

32.3328, 35.2609, 79.9648



Deuteranomaly

33.0266, 35.7225, 87.5925



Tritanomaly

27.8780, 36.9433, 67.2895

Monochromacy



Original Color

30.9580, 37.2237, 86.4422



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

21.1624, 25.5710, 41.3564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9580, 37.2237, 86.4422 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, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 238) }
```

Border

The CSS property to change the border of an element to XYZ 30.9580, 37.2237, 86.4422 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, 176, 238) }
```


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

```
.border{ border-color:rgb(0, 176, 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, 176, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9580, 37.2237, 86.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 238) }
```

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

```
.background{ background-color: rgb(0, 176,  
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](#).

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