

Converting Colors

XYZ(30.3702, 36.2357, 85.6683)

Have a look what the booklet for
XYZ(30.3702, 36.2357, 85.6683)
contains.

XYZ(30.4221, 36.3865, 85.5407)	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(30.4221, 36.3865,
85.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEED
RGB	0, 174, 237
RGB Percent	0%, 68%, 93%
CMY	0.9997, 0.3176, 0.0706
CMYK	1.00, 0.27, 0.00, 0.07
HSL	196°, 100%, 46%
HSV	196°, 100%, 93%
XYZ	30.4221, 36.3865, 85.5407
YIQ	129.1560, -123.9270, -17.2950

Conversions

Conversions Part 2

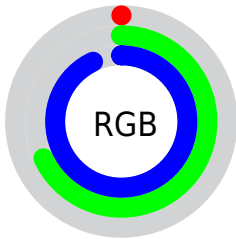
Format	Color
RYB	0, 100, 237
Decimal	44781
CIELab	66.81, -14.94, -41.76
CIELCh	67, 44.352, 250.320
Yxy	36.3865, 0.1997, 0.2388
Android (android.graphics.Color)	4278234861 (0xFF00AEED)
YUV	129.1560, 53.1671, -113.2698
Hunter-Lab	60.3212, -15.5384, -41.8535

Details

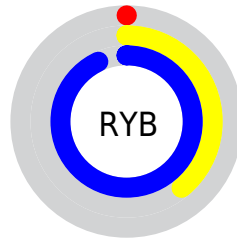
The XYZ color **30.4221, 36.3865, 85.5407** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **36.7068, 21.5668, 2.2300**, and the grayscale version is **20.7787, 21.8608, 23.8064**.

A 20% lighter version of the original color is **52.3760, 66.5098, 104.6849**, and **15.3000, 17.2553, 46.2403** is the 20% darker color. If you saturate the color by 10%, you get **30.4193, 36.3807, 85.5405**, and if you desaturate by 10%, it is **32.0399, 39.0710, 85.9744**.

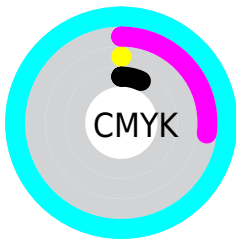
Distribution



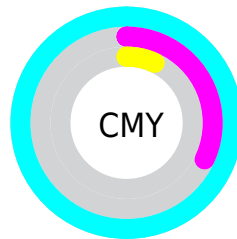
- Red (0%)
- Green (68%)
- Blue (93%)



- Red (0%)
- Yellow (39%)
- Blue (93%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4221, 36.3865, 85.5407 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 30.4221, 36.3865, 85.5407 by changing the saturation by 10% instead.

■ 30.4221, 36.3865,
85.5407

■ 30.4221, 36.3865,
85.5407

■ 295.7417,
330.6467, 533.6067

■ 20.3089, 24.7328,
63.7355

■ 59.7111, 69.6282,
143.0092

■ 12.7293, 15.8781,
45.9917

■ 79.6176, 91.9850,
179.5097

■ 7.3181, 9.4380,
31.8906

■ 103.5192,
118.6784, 221.7456

■ 3.7099, 5.0279,
21.0139

■ 131.7813,
150.0927, 270.1356

■ 1.5394, 2.2637,
12.9428

■ 164.7693,
186.6122, 325.0981

■ 0.3524, 0.7544,
7.2589

202.8484,

■ 0.0000, 0.0000,

228.6215, 387.0518

3.5436

246.3841,
276.5049, 456.4152

■ 0.0000, 0.0000,
1.3785

■ 0.0000, 0.0000,
0.1249

■ 30.4221, 36.3865,
85.5407

■ 30.4221, 36.3865,
85.5407

■ 30.4193, 36.3807,
85.5405

■ 32.0399, 39.0710,
85.9744

■ 34.1667, 42.1032,
86.4475

■ 36.9461, 45.5590,
86.9681

■ 40.4628, 49.4829,
87.5401

■ 44.7878, 53.9127,
88.1672

■ 49.9834, 58.8815,
88.8524

■ 56.1054, 64.4192,
89.5987

■ 63.2050, 70.5530,
90.4084

■ 71.3293, 77.3084,
91.2841

Harmonies

Analogous

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



25.6572, 36.3865, 68.6312



30.4221, 36.3865, 85.5407



36.9455, 36.3865, 88.1719

Triad

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



30.4221, 36.3865, 85.5407



48.8805, 36.3865, 33.3658



26.8955, 36.3865, 17.6100

Complementary

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



30.4221, 36.3865, 85.5407



36.7068, 21.5668, 2.2300

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.



32.3258, 36.3865, 13.2657



30.4221, 36.3865, 85.5407



45.3736, 36.3865, 20.2094

Square

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



30.4221, 36.3865, 85.5407



48.1980, 36.3865, 53.3978



39.1098, 36.3865, 14.0318



23.8107, 36.3865, 28.4408

Rectangle

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



30.4221, 36.3865, 85.5407



41.5090, 36.3865, 80.7976



39.1098, 36.3865, 14.0318



28.4760, 36.3865, 15.5307

Sweetspot

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



30.4234, 36.3877, 85.5416



66.1360, 75.9661, 105.7849



31.0825, 60.8883, 14.2927



13.4729, 15.6503, 22.5607



0.0000, 0.0000, 0.0000



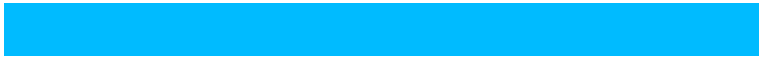
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4234, 36.3877, 85.5416



35.8624, 42.8448, 100.9875



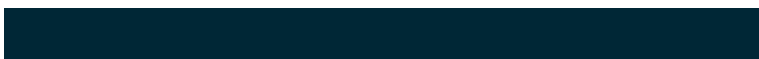
16.8663, 9.2736, 81.0226



15.1592, 16.4048, 19.2897



16.7209, 20.0888, 46.7392



1.3911, 1.7337, 3.6962

Inverse Universe

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



42.5663, 21.0622, 41.8673



50.2309, 24.8563, 49.2753



50.7998, 49.7529, 6.9277



15.5339, 15.2414, 18.0969



23.2952, 11.5208, 23.1539



1.8687, 0.9204, 2.0258

Previews

White Background



This preview shows how the XYZ color 30.4221, 36.3865, 85.5407 looks on a white background.

Color Contrast Check

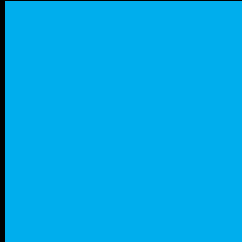
Large Text (above 18pt) WCAG AA × Fail

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 30.4221, 36.3865, 85.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

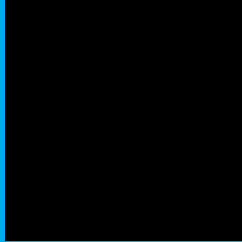
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4221, 36.3865, 85.5407

Background



This preview shows how black text looks on a background with the XYZ color 30.4221, 36.3865, 85.5407.

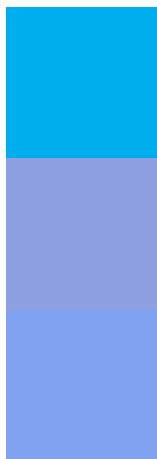


This preview shows how white text looks on a background with the XYZ color 30.4221, 36.3865,

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

30.4221, 36.3865, 85.5407

Protanopia

36.9732, 35.8952, 76.2139

Deuteranopia

37.0772, 36.2166, 87.4744



Tritanopia

25.9469, 36.4928, 56.1283

Trichromacy



Original Color

30.4221, 36.3865, 85.5407

Protanomaly

31.6348, 34.3817, 79.0977

Deuteranomaly

32.5245, 35.2099, 86.7433

Tritanomaly

27.4290, 36.4442, 65.9104

Monochromacy



Original Color

30.4221, 36.3865, 85.5407

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6730, 24.8718, 40.7569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4221, 36.3865, 85.5407 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, 174, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 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, 174, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 237) }
```

Border

The CSS property to change the border of an element to XYZ 30.4221, 36.3865, 85.5407 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, 174, 237) }
```


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

```
.border{ border-color:rgb(0, 174, 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, 174, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4221, 36.3865, 85.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 237) }
```

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

```
.background{ background-color: rgb(0, 174,  
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](#).

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