

Converting Colors

XYZ(30.5740, 40.5775, 85.5980)

Have a look what the booklet for
XYZ(30.5740, 40.5775, 85.5980)
contains.

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Color

**XYZ(33.1235, 42.0226,
85.7223)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCEC
RGB	0, 188, 236
RGB Percent	0%, 74%, 93%
CMY	0.9998, 0.2627, 0.0745
CMYK	1.00, 0.20, 0.00, 0.07
HSL	192°, 100%, 46%
HSV	192°, 100%, 93%
XYZ	33.1235, 42.0226, 85.7223
YIQ	137.2600, -127.4560, -24.9280

Conversions

Conversions Part 2

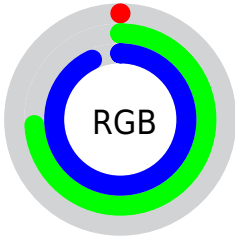
Format	Color
RYB	0, 105, 236
Decimal	48364
CIELab	70.89, -22.65, -34.87
CIELCh	71, 41.582, 236.993
Yxy	42.0226, 0.2059, 0.2612
Android (android.graphics.Color)	4278238444 (0xFF00BCEC)
YUV	137.2600, 48.6788, -120.3770
Hunter-Lab	64.8248, -22.2355, -33.0258

Details

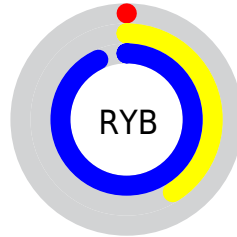
The XYZ color **33.1235, 42.0226, 85.7223** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.6520, 19.9517, 1.9736**, and the grayscale version is **23.7393, 24.9756, 27.1984**.

A 20% lighter version of the original color is **56.8311, 75.2364, 106.1345**, and **16.9022, 20.6232, 46.2699** is the 20% darker color. If you saturate the color by 10%, you get **33.1218, 42.0187, 85.7225**, and if you desaturate by 10%, it is **34.5356, 44.2993, 86.0882**.

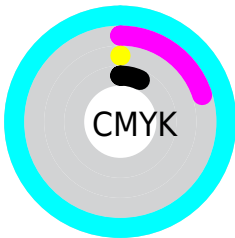
Distribution



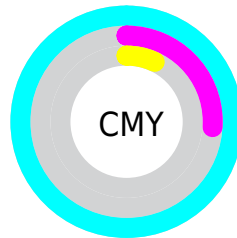
- Red (0%)
- Green (74%)
- Blue (93%)



- Red (0%)
- Yellow (41%)
- Blue (93%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1235, 42.0226, 85.7223 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 33.1235, 42.0226, 85.7223 by changing the saturation by 10% instead.

■ 33.1235, 42.0226,
85.7223

■ 33.1235, 42.0226,
85.7223

307.8610,
354.5766, 534.2219

■ 22.3808, 29.1190,
63.8848

■ 63.9217, 78.2338,
143.2650

■ 14.2551, 19.1709,
46.1118

■ 84.7078, 102.3102,
179.8073

■ 8.3812, 11.7938,
31.9847

■ 109.5725,
130.8797, 222.0882

■ 4.3937, 6.6034,
21.0851

■ 138.8810,
164.3266, 270.5264

■ 1.9272, 3.2154,
12.9944

■ 172.9988,
203.0354, 325.5403

■ 0.5926, 1.2452,
7.2940

212.2912,

■ 0.0000, 0.0981,

247.3903, 387.5485

3.5654

257.1234,
297.7760, 456.9695

■ 0.0000, 0.0000,
1.3901

■ 0.0000, 0.0000,
0.1340

■ 33.1235, 42.0226,
85.7223

■ 33.1235, 42.0226,
85.7223

■ 33.1218, 42.0187,
85.7225

■ 34.5356, 44.2993,
86.0882

■ 36.4285, 46.8743,
86.4854

■ 38.9444, 49.8220,
86.9218

■ 42.1666, 53.1860,
87.4013

■ 46.1649, 57.0026,
87.9272

■ 51.0008, 61.3039,
88.5026

■ 56.7290, 66.1187,
89.1300

■ 63.3997, 71.4732,
89.8120

■ 71.0594, 77.3919,
90.5507

Harmonies

Analogous

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



29.2207, 42.0226, 65.3193



33.1235, 42.0226, 85.7223



39.2474, 42.0226, 95.3259

Triad

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



33.1235, 42.0226, 85.7223



54.7544, 42.0226, 47.7834



34.2020, 42.0226, 19.5096

Complementary

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



33.1235, 42.0226, 85.7223



35.6520, 19.9517, 1.9736

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.



40.6432, 42.0226, 17.2788



33.1235, 42.0226, 85.7223



53.0074, 42.0226, 30.5491

Square

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



33.1235, 42.0226, 85.7223



52.1690, 42.0226, 69.8075



47.6356, 42.0226, 20.6639



29.7910, 42.0226, 27.9802

Rectangle

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



33.1235, 42.0226, 85.7223



43.9569, 42.0226, 92.7220



47.6356, 42.0226, 20.6639



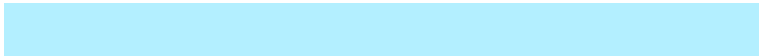
36.1779, 42.0226, 18.1342

Sweetspot

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



33.1250, 42.0241, 85.7234



67.5198, 78.7337, 106.2462



30.5146, 60.1992, 12.7267



13.8060, 16.3165, 22.6717



0.0000, 0.0000, 0.0000



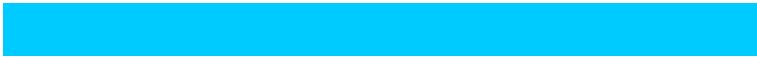
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1250, 42.0241, 85.7234



39.4354, 49.9908, 102.1785



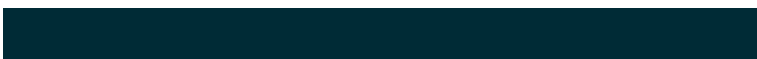
17.3843, 10.5428, 80.4765



15.2423, 16.5711, 19.3174



18.3520, 23.3510, 47.2829



1.5068, 1.9650, 3.7347

Inverse Universe

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



43.6704, 21.4653, 49.4199



52.0344, 25.5777, 58.7723



48.0873, 44.8222, 6.1187



15.5759, 15.2582, 18.3178



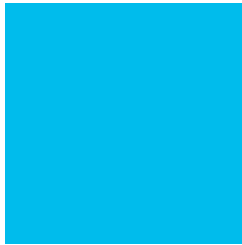
24.1185, 11.8501, 27.4893



1.9270, 0.9438, 2.3332

Previews

White Background



This preview shows how the XYZ color 33.1235, 42.0226, 85.7223 looks on a white background.

Color Contrast Check

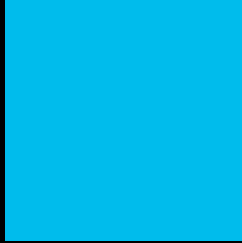
Large Text (above 18pt) WCAG AA × Fail

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 33.1235, 42.0226, 85.7223 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 33.1235, 42.0226, 85.7223

Background



This preview shows how black text looks on a background with the XYZ color 33.1235, 42.0226, 85.7223.



This preview shows how white text looks on a background with the XYZ color 33.1235, 42.0226,

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

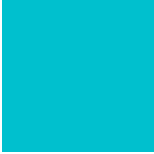
33.1235, 42.0226, 85.7223

Protanopia

41.7946, 41.3463, 75.5899

Deuteranopia

42.4973, 41.4303, 88.1951



Tritanopia

29.9902, 42.1555, 64.9487

Trichromacy



Original Color

33.1235, 42.0226, 85.7223

Protanomaly

35.0926, 39.8124, 79.2338

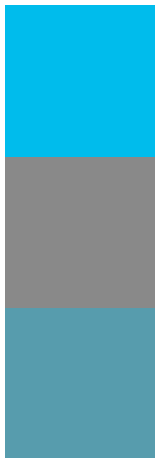
Deuteranomaly

36.0214, 40.1092, 87.5047

Tritanomaly

31.1552, 42.2714, 72.1628

Monochromacy



Original Color

33.1235, 42.0226, 85.7223

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3618, 28.8203, 43.8667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1235, 42.0226, 85.7223 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, 188, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 236) }
```

Border

The CSS property to change the border of an element to XYZ 33.1235, 42.0226, 85.7223 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, 188, 236) }
```


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

```
.border{ border-color:rgb(0, 188, 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, 188, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1235, 42.0226, 85.7223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 236) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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