

Converting Colors

XYZ(31.0682, 41.5088, 86.7077)

Have a look what the booklet for
XYZ(31.0682, 41.5088, 86.7077)
contains.

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Color

**XYZ(33.6995, 42.9413,
86.6331)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEED
RGB	0, 190, 237
RGB Percent	0%, 75%, 93%
CMY	0.9997, 0.2549, 0.0706
CMYK	1.00, 0.20, 0.00, 0.07
HSL	192°, 100%, 46%
HSV	192°, 100%, 93%
XYZ	33.6995, 42.9413, 86.6331
YIQ	138.5480, -128.3270, -25.6630

Conversions

Conversions Part 2

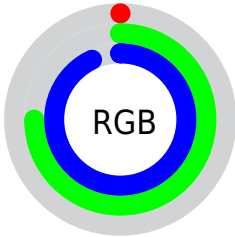
Format	Color
RYB	0, 105, 237
Decimal	48877
CIELab	71.52, -23.33, -34.44
CIELCh	72, 41.599, 235.881
Yxy	42.9413, 0.2064, 0.2630
Android (android.graphics.Color)	4278238957 (0xFF00BEED)
YUV	138.5480, 48.5368, -121.5066
Hunter-Lab	65.5296, -22.8808, -32.5133

Details

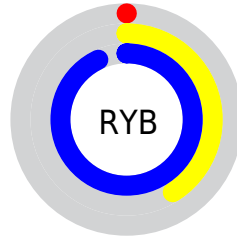
The XYZ color **33.6995, 42.9413, 86.6331** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.9448, 20.0430, 1.9760**, and the grayscale version is **24.2300, 25.4919, 27.7607**.

A 20% lighter version of the original color is **57.4362, 76.4465, 106.3362**, and **17.1446, 20.9445, 46.8551** is the 20% darker color. If you saturate the color by 10%, you get **33.6974, 42.9368, 86.6332**, and if you desaturate by 10%, it is **35.1061, 45.2032, 86.9964**.

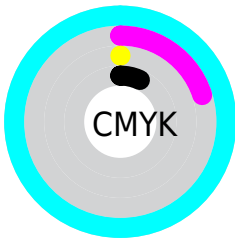
Distribution



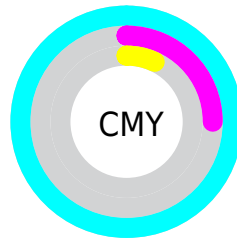
- Red (0%)
- Green (75%)
- Blue (93%)



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



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



- Cyan (100%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6995, 42.9413, 86.6331 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 33.6995, 42.9413, 86.6331 by changing the saturation by 10% instead.

■ 33.6995, 42.9413,
86.6331

■ 33.6995, 42.9413,
86.6331

310.3996,
358.3703, 537.3014

■ 22.8246, 29.8391,
64.6337

■ 64.8135, 79.6223,
144.5470

■ 14.5841, 19.7165,
46.7147

■ 85.7833, 103.9698,
181.2986

■ 8.6124, 12.1891,
32.4574

■ 110.8489,
132.8345, 223.8047

■ 4.5443, 6.8726,
21.4434

■ 140.3755,
166.6009, 272.4838

■ 2.0144, 3.3826,
13.2541

■ 174.7285,
205.6532, 327.7545

■ 0.6421, 1.3346,
7.4710

214.2733,

■ 0.0000, 0.1677,

250.3760, 390.0353

3.6755

259.3752,
301.1536, 459.7447

■ 0.0000, 0.0000,
1.4491

■ 0.0000, 0.0000,
0.1795

■ 33.6995, 42.9413,
86.6331

■ 33.6995, 42.9413,
86.6331

■ 33.6974, 42.9368,
86.6332

■ 35.1061, 45.2032,
86.9964

■ 36.9967, 47.7632,
87.3909

■ 39.5149, 50.6964,
87.8243

■ 42.7447, 54.0464,
88.3007

■ 46.7567, 57.8503,
88.8235

■ 51.6129, 62.1402,
89.3956

■ 57.3687, 66.9453,
90.0197

■ 64.0747, 72.2920,
90.6983

■ 71.7778, 78.2049,
91.4336

Harmonies

Analogous

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



29.8316, 42.9413, 65.7487



33.6995, 42.9413, 86.6331



39.8523, 42.9413, 96.9047

Triad

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



33.6995, 42.9413, 86.6331



55.8178, 42.9413, 49.5885



35.1996, 42.9413, 19.8802

Complementary

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



33.6995, 42.9413, 86.6331



35.9448, 20.0430, 1.9760

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.



41.7919, 42.9413, 17.8191



33.6995, 42.9413, 86.6331



54.2079, 42.9413, 31.8256

Square

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



33.6995, 42.9413, 86.6331



53.0446, 42.9413, 71.9735



48.8663, 42.9413, 21.4923



30.6254, 42.9413, 28.2465

Rectangle

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



33.6995, 42.9413, 86.6331



44.6220, 42.9413, 94.6848



48.8663, 42.9413, 21.4923



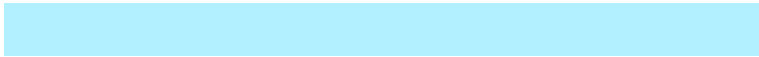
37.2298, 42.9413, 18.5523

Sweetspot

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



33.7010, 42.9428, 86.6342



67.6338, 78.9617, 106.2842



30.7307, 60.7476, 12.4400



13.8335, 16.3715, 22.6809



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.



33.7010, 42.9428, 86.6342



39.7423, 50.6047, 102.2808



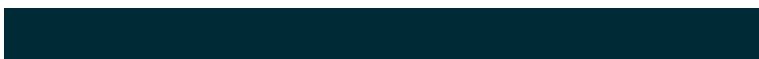
17.8095, 11.1599, 81.3370



15.2491, 16.5847, 19.3197



18.4919, 23.6309, 47.3296



1.5166, 1.9846, 3.7380

Inverse Universe

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



44.2206, 21.7239, 50.5789



52.1893, 25.6397, 59.5882



47.8411, 43.8354, 5.9414



15.5793, 15.2596, 18.3359



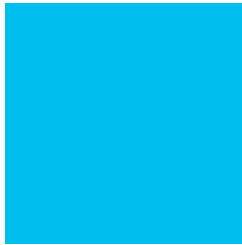
24.1892, 11.8784, 27.8612



1.9320, 0.9458, 2.3593

Previews

White Background



This preview shows how the XYZ color 33.6995, 42.9413, 86.6331 looks on a white background.

Color Contrast Check

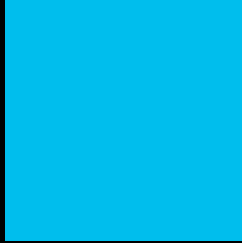
Large Text (above 18pt) WCAG AA × Fail

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 33.6995, 42.9413, 86.6331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

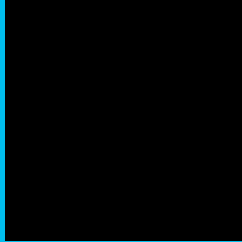
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6995, 42.9413, 86.6331

Background



This preview shows how black text looks on a background with the XYZ color 33.6995, 42.9413, 86.6331.

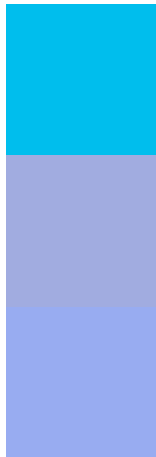


This preview shows how white text looks on a background with the XYZ color 33.6995, 42.9413,

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

33.6995, 42.9413, 86.6331

Protanopia

42.9050, 42.4639, 76.4560

Deuteranopia

43.5786, 42.5313, 89.1316



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

33.6995, 42.9413, 86.6331



Protanomaly

35.7424, 40.7221, 80.1051



Deuteranomaly

36.7780, 41.0729, 88.4275



Tritanomaly

31.6358, 42.8137, 73.6143

Monochromacy



Original Color

33.6995, 42.9413, 86.6331



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.9892, 29.6236, 45.0110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6995, 42.9413, 86.6331 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, 190, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 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, 190, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 237) }
```

Border

The CSS property to change the border of an element to XYZ 33.6995, 42.9413, 86.6331 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, 190, 237) }
```


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

```
.border{ border-color:rgb(0, 190, 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, 190, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6995, 42.9413, 86.6331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 237) }
```

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

```
.background{ background-color: rgb(0, 190,  
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](#).

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