

Converting Colors

XYZ(23.6904, 37.4149, 92.7092)

Have a look what the booklet for
XYZ(23.6904, 37.4149, 92.7092)
contains.

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Color

**XYZ(34.6790, 42.9878,
92.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDF5
RGB	0, 189, 245
RGB Percent	0%, 74%, 96%
CMY	0.9997, 0.2588, 0.0392
CMYK	1.00, 0.23, 0.00, 0.04
HSL	194°, 100%, 48%
HSV	194°, 100%, 96%
XYZ	34.6790, 42.9878, 92.8559
YIQ	138.8730, -130.6200, -22.6520

Conversions

Conversions Part 2

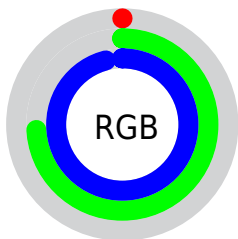
Format	Color
RYB	0, 107, 245
Decimal	48629
CIELab	71.55, -20.07, -38.72
CIElCh	72, 43.613, 242.597
Yxy	42.9878, 0.2034, 0.2521
Android (android.graphics.Color)	4278238709 (0xFF00BDF5)
YUV	138.8730, 52.3206, -121.7916
Hunter-Lab	65.5651, -20.3258, -38.0733

Details

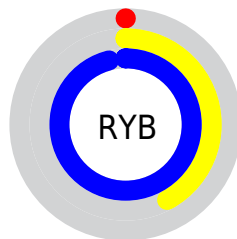
The XYZ color **34.6790, 42.9878, 92.8559** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **39.0742, 22.2473, 2.2366**, and the grayscale version is **24.3410, 25.6086, 27.8878**.

A 20% lighter version of the original color is **57.2580, 75.9043, 106.2409**, and **17.8813, 21.2392, 50.7341** is the 20% darker color. If you saturate the color by 10%, you get **34.6765, 42.9825, 92.8559**, and if you desaturate by 10%, it is **36.2983, 45.6467, 93.2847**.

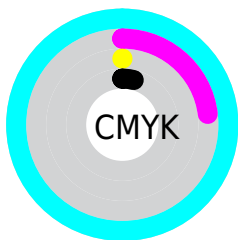
Distribution



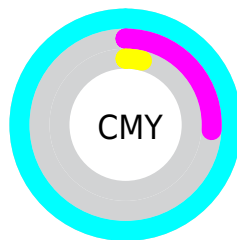
- Red (0%)
- Green (74%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6790, 42.9878, 92.8559 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 34.6790, 42.9878, 92.8559 by changing the saturation by 10% instead.

■ 34.6790, 42.9878,
92.8559

■ 34.6790, 42.9878,
92.8559

314.6821,
358.5616, 558.0859

■ 23.5811, 29.8755,
69.7647

■ 66.3255, 79.6924,
153.2691

■ 15.1462, 19.7441,
50.8591

■ 87.6048, 104.0536,
191.4282

■ 9.0090, 12.2092,
35.7206

■ 113.0085,
132.9332, 235.4470

■ 4.8042, 6.8863,
23.9305

■ 142.9021,
166.7157, 285.7441

■ 2.1664, 3.3911,
15.0703

■ 177.6509,
205.7853, 342.7380

■ 0.7250, 1.3392,
8.7216

217.6203,

■ 0.0000, 0.1712,

250.5266, 406.8472

4.4657

263.1755,
301.3239, 478.4903

■ 0.0000, 0.0000,
1.8842

■ 0.0000, 0.0000,
0.4826

■ 34.6790, 42.9878,
92.8559

■ 34.6790, 42.9878,
92.8559

■ 34.6765, 42.9825,
92.8559

■ 36.2983, 45.6467,
93.2847

■ 38.4532, 48.6508,
93.7509

■ 41.2970, 52.0808,
94.2631

■ 44.9214, 55.9844,
94.8255

■ 49.4032, 60.4020,
95.4420

■ 54.8097, 65.3692,
96.1158

■ 61.2014, 70.9177,
96.8499

■ 68.6333, 77.0766,
97.6470

■ 77.1564, 83.8728,
98.5096

Harmonies

Analogous

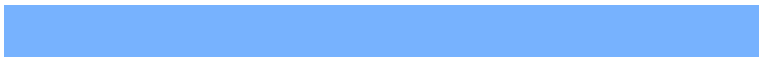
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0478, 42.9878, 72.2424



34.6790, 42.9878, 92.8559



41.5038, 42.9878, 100.1618

Triad

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



34.6790, 42.9878, 92.8559



56.7077, 42.9878, 44.9923



33.6920, 42.9878, 20.2702

Complementary

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



34.6790, 42.9878, 92.8559



39.0742, 22.2473, 2.2366

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.



40.2202, 42.9878, 16.8488



34.6790, 42.9878, 92.8559



53.9938, 42.9878, 28.1749

Square

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



34.6790, 42.9878, 92.8559



54.7703, 42.9878, 68.0735



47.7319, 42.9878, 19.2362



29.5279, 42.9878, 30.5060

Rectangle

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



34.6790, 42.9878, 92.8559



46.5474, 42.9878, 95.1450



47.7319, 42.9878, 19.2362



35.6533, 42.9878, 18.4522

Sweetspot

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



34.6805, 42.9893, 92.8570



66.9571, 77.6084, 106.0587



33.2993, 65.5642, 14.2845



13.6704, 16.0453, 22.6265



0.0000, 0.0000, 0.0000



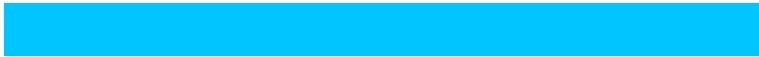
20.3446, 21.4041, 23.3091

Same Dimension

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



34.6805, 42.9893, 92.8570



37.9483, 47.0166, 101.6828



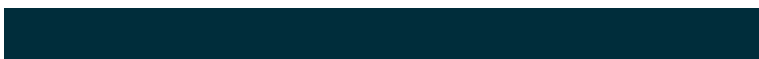
18.6392, 10.9065, 87.5099



16.6567, 18.0777, 21.1540



18.7904, 23.3745, 50.0594



1.7280, 2.2074, 4.4252

Inverse Universe

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



46.8428, 23.0883, 50.1331



51.2837, 25.2775, 54.8196



53.1044, 50.3078, 6.9133



17.0420, 16.6997, 19.9679



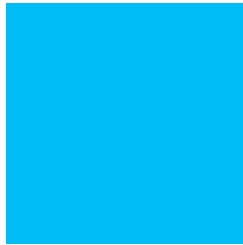
25.2890, 12.4590, 27.2940



2.2613, 1.1105, 2.6022

Previews

White Background



This preview shows how the XYZ color 34.6790, 42.9878, 92.8559 looks on a white background.

Color Contrast Check

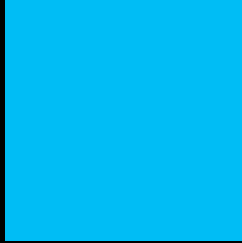
Large Text (above 18pt) WCAG AA × Fail

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 34.6790, 42.9878, 92.8559 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

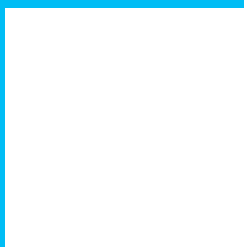
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6790, 42.9878, 92.8559

Background



This preview shows how black text looks on a background with the XYZ color 34.6790, 42.9878, 92.8559.



This preview shows how white text looks on a background with the XYZ color 34.6790, 42.9878,

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

34.6790, 42.9878, 92.8559

Protanopia

43.2226, 42.4993, 82.2690

Deuteranopia

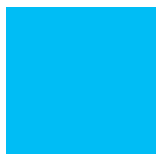
43.7055, 42.4556, 95.5138



Tritanopia

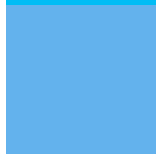
30.6770, 43.1376, 66.3841

Trichromacy



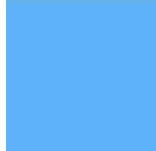
Original Color

34.6790, 42.9878, 92.8559



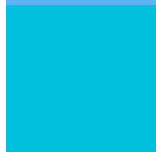
Protanomaly

36.4620, 40.6645, 86.0481



Deuteranomaly

37.3779, 40.9453, 94.7401



Tritanomaly

31.9008, 42.9197, 75.0096

Monochromacy



Original Color

34.6790, 42.9878, 92.8559



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.1174, 29.4030, 46.5237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6790, 42.9878, 92.8559 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, 189, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 245)  
}
```

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, 189, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 245) }
```

Border

The CSS property to change the border of an element to XYZ 34.6790, 42.9878, 92.8559 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, 189, 245) }
```


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

```
.border{ border-color:rgb(0, 189, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 189, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6790, 42.9878, 92.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 245) }
```

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

```
.background{ background-color: rgb(0, 189,  
245) }
```

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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