

Converting Colors

XYZ(33.8572, 41.8310, 90.4911)

Have a look what the booklet for
XYZ(33.8572, 41.8310, 90.4911)
contains.

XYZ(33.9225, 42.0160, 90.3264)	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(33.9225, 42.0160,
90.3264)**

Conversions

Conversions Part 1

Format	Color
Hex	0ABBF2
RGB	10, 187, 242
RGB Percent	4%, 73%, 95%
CMY	0.9605, 0.2667, 0.0510
CMYK	0.96, 0.23, 0.00, 0.05
HSL	194°, 92%, 49%
HSV	194°, 96%, 95%
XYZ	33.9225, 42.0160, 90.3264
YIQ	140.3470, -123.1470, -20.4190

Conversions

Conversions Part 2

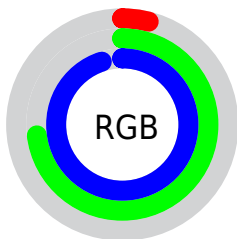
Format	Color
RYB	10, 110, 242
Decimal	703474
CIELab	70.88, -19.82, -38.13
CIELCh	71, 42.973, 242.527
Yxy	42.0160, 0.2040, 0.2527
Android (android.graphics.Color)	4278893554 (0xFF0ABBF2)
YUV	140.3470, 50.1149, -114.3143
Hunter-Lab	64.8198, -20.0191, -37.2469

Details

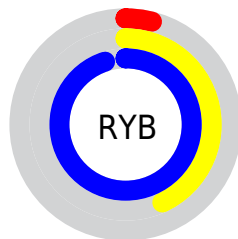
The XYZ color **33.9225, 42.0160, 90.3264** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **38.5675, 22.6875, 2.6354**, and the grayscale version is **24.9157, 26.2133, 28.5462**.

A 20% lighter version of the original color is **56.7827, 74.7659, 106.0462**, and **17.3880, 20.5954, 49.5132** is the 20% darker color. If you saturate the color by 10%, you get **33.2958, 40.9481, 90.1542**, and if you desaturate by 10%, it is **35.7084, 44.7809, 90.7668**.

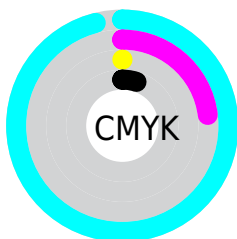
Distribution



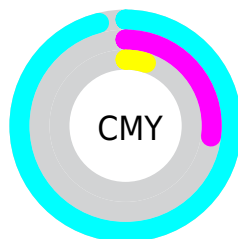
- Red (4%)
- Green (73%)
- Blue (95%)



- Red (4%)
- Yellow (43%)
- Blue (95%)



- Cyan (96%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (96%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9225, 42.0160, 90.3264 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 33.9225, 42.0160, 90.3264 by changing the saturation by 10% instead.

■ 33.9225, 42.0160,
90.3264

■ 33.9225, 42.0160,
90.3264

311.3783,
354.5493, 549.6895

■ 22.9967, 29.1138,
67.6762

■ 65.1582, 78.2238,
149.7312

■ 14.7117, 19.1669,
49.1693

■ 86.1988, 102.2983,
187.3228

■ 8.7023, 11.7910,
34.3872

■ 111.3417,
130.8656, 230.7319

■ 4.6031, 6.6015,
22.9115

■ 140.9523,
164.3102, 280.3771

■ 2.0487, 3.2142,
14.3235

■ 175.3959,
203.0165, 336.6770

■ 0.6611, 1.2445,
8.2047

215.0379,

■ 0.0000, 0.0976,

247.3688, 400.0499

4.1365

260.2436,
297.7516, 470.9146

■ 0.0000, 0.0000,
1.7005

■ 0.0000, 0.0000,
0.3611

■ 33.9225, 42.0160,
90.3264

■ 33.9225, 42.0160,
90.3264

■ 33.2958, 40.9481,
90.1542

■ 35.7084, 44.7809,
90.7668

■ 38.1031, 47.9321,
91.2488

■ 41.2098, 51.5241,
91.7784

■ 45.1103, 55.6001,
92.3596

■ 49.8753, 60.1971,
92.9958

■ 55.5670, 65.3480,
93.6900

■ 62.2418, 71.0827,
94.4451

■ 69.9513, 77.4285,
95.2636

■ 78.7437, 84.4109,
96.1480

Harmonies

Analogous

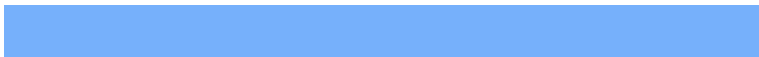
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.4290, 42.0160, 70.3524



33.9225, 42.0160, 90.3264



40.5442, 42.0160, 97.4328

Triad

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



33.9225, 42.0160, 90.3264



55.3040, 42.0160, 44.0342



32.9895, 42.0160, 19.9339

Complementary

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



33.9225, 42.0160, 90.3264



38.5675, 22.6875, 2.6354

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.



39.3319, 42.0160, 16.6102



33.9225, 42.0160, 90.3264



52.6839, 42.0160, 27.6755

Square

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



33.9225, 42.0160, 90.3264



53.4163, 42.0160, 66.4220



46.6189, 42.0160, 18.9527



28.9372, 42.0160, 29.8823

Rectangle

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



33.9225, 42.0160, 90.3264



45.4369, 42.0160, 92.6053



46.6189, 42.0160, 18.9527



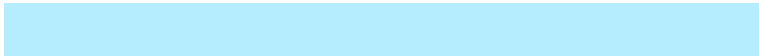
34.8961, 42.0160, 18.1658

Sweetspot

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



33.9240, 42.0174, 90.3275



67.5366, 77.8874, 106.0820



32.8091, 63.9421, 15.4908



13.7715, 16.0822, 22.6283



0.0000, 0.0000, 0.0000



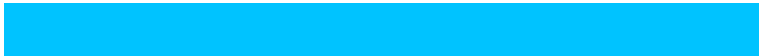
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9240, 42.0174, 90.3275



37.4604, 46.0408, 101.5201



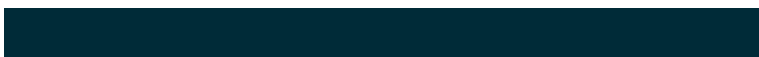
18.4650, 11.0996, 85.1745



15.9112, 17.2566, 20.2138



17.9971, 22.2185, 48.4679



1.5728, 1.9995, 4.0573

Inverse Universe

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



45.6975, 22.6839, 48.9849



51.0375, 25.1790, 53.5228



53.0254, 51.6033, 7.4547



16.2846, 15.9636, 19.0551



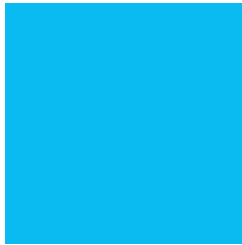
24.4097, 12.0363, 25.8720



2.0688, 1.0166, 2.3532

Previews

White Background



This preview shows how the XYZ color 33.9225, 42.0160, 90.3264 looks on a white background.

Color Contrast Check

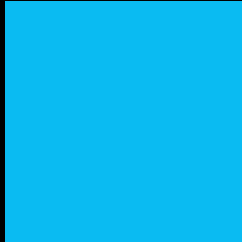
Large Text (above 18pt) WCAG AA × Fail

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 33.9225, 42.0160, 90.3264 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

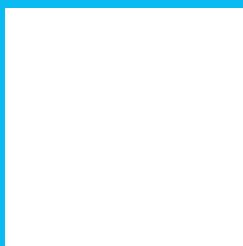
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9225, 42.0160, 90.3264

Background



This preview shows how black text looks on a background with the XYZ color 33.9225, 42.0160, 90.3264.



This preview shows how white text looks on a background with the XYZ color 33.9225, 42.0160,

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

33.9225, 42.0160, 90.3264

Protanopia

42.2279, 41.4745, 79.9085

Deuteranopia

42.6991, 41.7089, 92.9889



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



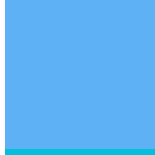
Original Color

33.9225, 42.0160, 90.3264



Protanomaly

35.9701, 39.8747, 83.6427



Deuteranomaly

36.9229, 40.4697, 92.2516



Tritanomaly

31.2497, 41.9672, 73.4713

Monochromacy



Original Color

33.9225, 42.0160, 90.3264



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.5070, 29.6154, 46.0197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9225, 42.0160, 90.3264 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(10, 187, 242)` looks like.

```
.text, #text, p{  
    color:rgb(10, 187, 242)  
}
```

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(10, 187, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 187, 242) }
```

Border

The CSS property to change the border of an element to XYZ 33.9225, 42.0160, 90.3264 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(10, 187, 242) }
```


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

```
.border{ border-color:rgb(10, 187, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 187, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 187, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 187, 242);  
box-shadow:4px 4px 4px 4px rgb(10, 187,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9225, 42.0160, 90.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 187, 242) }
```

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

```
.background{ background-color: rgb(10, 187,  
242) }
```

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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