

Converting Colors

XYZ(29.0298, 39.7002, 85.1997)

Have a look what the booklet for
XYZ(29.0298, 39.7002, 85.1997)
contains.

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Color

**XYZ(32.9106, 41.5968,
85.6513)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBEC
RGB	0, 187, 236
RGB Percent	0%, 73%, 93%
CMY	0.9998, 0.2667, 0.0745
CMYK	1.00, 0.21, 0.00, 0.07
HSL	192°, 100%, 46%
HSV	192°, 100%, 93%
XYZ	32.9106, 41.5968, 85.6513
YIQ	136.6730, -127.1810, -24.4050

Conversions

Conversions Part 2

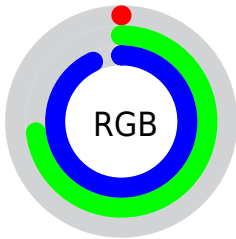
Format	Color
RYB	0, 104, 236
Decimal	48108
CIELab	70.59, -22.14, -35.33
CIELCh	71, 41.690, 237.927
Yxy	41.5968, 0.2055, 0.2597
Android (android.graphics.Color)	4278238188 (0xFF00BBEC)
YUV	136.6730, 48.9682, -119.8622
Hunter-Lab	64.4956, -21.7829, -33.5913

Details

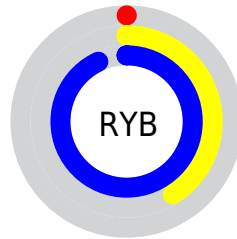
The XYZ color **32.9106, 41.5968, 85.6513** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.6934, 20.0345, 1.9875**, and the grayscale version is **23.5172, 24.7420, 26.9440**.

A 20% lighter version of the original color is **56.4073, 74.5724, 106.0287**, and **16.7633, 20.3455, 46.2236** is the 20% darker color. If you saturate the color by 10%, you get **32.9088, 41.5928, 85.6515**, and if you desaturate by 10%, it is **34.3375, 43.9031, 86.0221**.

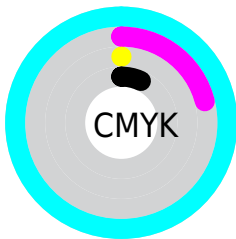
Distribution



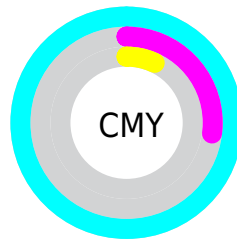
- Red (0%)
- Green (73%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9106, 41.5968, 85.6513 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 32.9106, 41.5968, 85.6513 by changing the saturation by 10% instead.

■ 32.9106, 41.5968,
85.6513

■ 32.9106, 41.5968,
85.6513

306.9188,
352.8088, 533.9814

■ 22.2169, 28.7857,
63.8264

■ 63.5915, 77.5890,
143.1650

■ 14.1338, 18.9188,
46.0648

■ 84.3095, 101.5390,
179.6909

■ 8.2961, 11.6116,
31.9479

■ 109.0995,
129.9706, 221.9543

■ 4.3384, 6.4798,
21.0572

■ 138.3270,
163.2684, 270.3736

■ 1.8953, 3.1390,
12.9742

■ 172.3573,
201.8167, 325.3674

■ 0.5741, 1.2047,
7.2803

211.5558,

■ 0.0000, 0.0655,

246.0000, 387.3543

3.5569

256.2879,
296.2025, 456.7528

■ 0.0000, 0.0000,
1.3855

■ 0.0000, 0.0000,
0.1304

■ 32.9106, 41.5968,
85.6513

■ 32.9106, 41.5968,
85.6513

■ 32.9088, 41.5928,
85.6515

■ 34.3375, 43.9031,
86.0221

■ 36.2466, 46.5105,
86.4248

■ 38.7801, 49.4935,
86.8670

■ 42.0213, 52.8955,
87.3528

■ 46.0402, 56.7531,
87.8856

■ 50.8980, 61.0983,
88.4683

■ 56.6497, 65.9600,
89.1035

■ 63.3454, 71.3644,
89.7938

■ 71.0316, 77.3361,
90.5413

Harmonies

Analogous

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



28.9481, 41.5968, 65.4875



32.9106, 41.5968, 85.6513



39.0592, 41.5968, 94.7753

Triad

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



32.9106, 41.5968, 85.6513



54.3092, 41.5968, 46.6782



33.6506, 41.5968, 19.3588

Complementary

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



32.9106, 41.5968, 85.6513



35.6934, 20.0345, 1.9875

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.



40.0177, 41.5968, 16.9712



32.9106, 41.5968, 85.6513



52.4354, 41.5968, 29.7443

Square

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



32.9106, 41.5968, 85.6513



51.8590, 41.5968, 68.5744



46.9969, 41.5968, 20.1481



29.3392, 41.5968, 27.9842

Rectangle

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



32.9106, 41.5968, 85.6513



43.7563, 41.5968, 91.8332



46.9969, 41.5968, 20.1481



35.5972, 41.5968, 17.9334

Sweetspot

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



32.9120, 41.5982, 85.6523



67.4247, 78.5435, 106.2145



30.5146, 60.1991, 12.7268



13.7831, 16.2706, 22.6641



0.0000, 0.0000, 0.0000



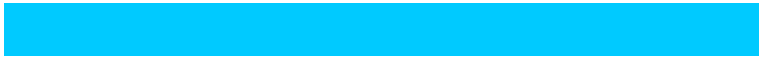
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9120, 41.5982, 85.6523



39.1808, 49.4816, 102.0936



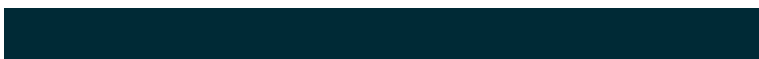
17.3843, 10.5428, 80.4764



15.2367, 16.5598, 19.3156



18.2359, 23.1189, 47.2442



1.4986, 1.9487, 3.7320

Inverse Universe

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



43.5630, 21.4223, 48.8539



51.9059, 25.5263, 58.0956



48.0873, 44.8222, 6.1187



15.5730, 15.2571, 18.3028



24.0600, 11.8267, 27.1808



1.9229, 0.9421, 2.3115

Previews

White Background



This preview shows how the XYZ color 32.9106, 41.5968, 85.6513 looks on a white background.

Color Contrast Check

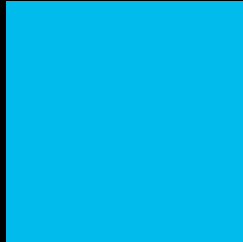
Large Text (above 18pt) WCAG AA × Fail

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 32.9106, 41.5968, 85.6513 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 32.9106, 41.5968, 85.6513

Background



This preview shows how black text looks on a background with the XYZ color 32.9106, 41.5968, 85.6513.



This preview shows how white text looks on a background with the XYZ color 32.9106, 41.5968,

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

32.9106, 41.5968, 85.6513

Protanopia

41.4119, 40.8717, 75.5184

Deuteranopia

42.3156, 41.3366, 88.1866



Tritanopia

29.6502, 41.6694, 64.2379

Trichromacy



Original Color

32.9106, 41.5968, 85.6513



Protanomaly

34.7845, 39.3614, 79.1630



Deuteranomaly

35.7214, 39.6623, 87.4342



Tritanomaly

30.8081, 41.7848, 71.4073

Monochromacy



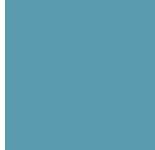
Original Color

32.9106, 41.5968, 85.6513



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

23.1947, 28.4861, 43.8110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9106, 41.5968, 85.6513 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, 187, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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, 187, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 236) }
```

Border

The CSS property to change the border of an element to XYZ 32.9106, 41.5968, 85.6513 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, 187, 236) }
```


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

```
.border{ border-color:rgb(0, 187, 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, 187, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9106, 41.5968, 85.6513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 236) }
```

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

```
.background{ background-color: rgb(0, 187,  
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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