

Converting Colors

XYZ(32.1132, 40.0017, 85.3864)

Have a look what the booklet for
XYZ(32.1132, 40.0017, 85.3864)
contains.

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Color

**XYZ(32.0738, 39.9231,
85.3723)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7EC
RGB	0, 183, 236
RGB Percent	0%, 72%, 93%
CMY	0.9997, 0.2823, 0.0745
CMYK	1.00, 0.22, 0.00, 0.07
HSL	193°, 100%, 46%
HSV	193°, 100%, 93%
XYZ	32.0738, 39.9231, 85.3723
YIQ	134.3250, -126.0810, -22.3130

Conversions

Conversions Part 2

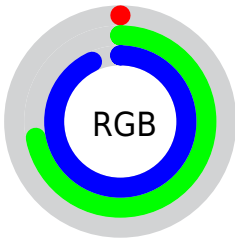
Format	Color
R _{YB}	0, 103, 236
Decimal	47084
CIE _{Lab}	69.41, -20.06, -37.16
CIE _{LCh}	69, 42.228, 241.631
Yxy	39.9231, 0.2038, 0.2537
Android (android.graphics.Color)	4278237164 (0xFF00B7EC)
YUV	134.3250, 50.1258, -117.8030
Hunter-Lab	63.1847, -19.9632, -35.8806

Details

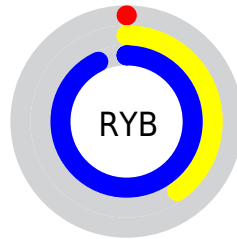
The XYZ color **32.0738, 39.9231, 85.3723** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.8687, 20.3851, 2.0461**, and the grayscale version is **22.6415, 23.8206, 25.9407**.

A 20% lighter version of the original color is **55.2232, 72.2042, 105.6340**, and **16.2209, 19.2606, 46.0427** is the 20% darker color. If you saturate the color by 10%, you get **32.0714, 39.9181, 85.3723**, and if you desaturate by 10%, it is **33.5573, 42.3425, 85.7619**.

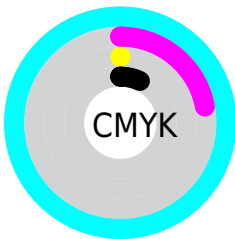
Distribution



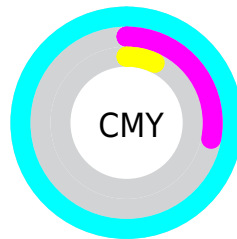
- Red (0%)
- Green (72%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (28%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0738, 39.9231, 85.3723 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 32.0738, 39.9231, 85.3723 by changing the saturation by 10% instead.

■ 32.0738, 39.9231,
85.3723

■ 32.0738, 39.9231,
85.3723

303.1946,
345.7993, 533.0359

■ 21.5737, 27.4786,
63.5971

■ 62.2912, 75.0464,
142.7720

■ 13.6588, 17.9330,
45.8804

■ 82.7392, 98.4940,
179.2336

■ 7.9639, 10.9019,
31.8034

■ 107.2338,
126.3780, 221.4278

■ 4.1235, 6.0009,
20.9478

■ 136.1405,
159.0830, 269.7730

■ 1.7722, 2.8456,
12.8950

■ 169.8246,
196.9932, 324.6879

■ 0.5008, 1.0517,
7.2264

208.6514,

■ 0.0000, 0.0000,

240.4930, 386.5910

3.5235

252.9863,
289.9670, 455.9008

■ 0.0000, 0.0000,
1.3678

■ 0.0000, 0.0000,
0.1164

■ 32.0738, 39.9231,
85.3723

■ 32.0738, 39.9231,
85.3723

■ 32.0714, 39.9181,
85.3723

■ 33.5573, 42.3425,
85.7619

■ 35.5289, 45.0747,
86.1854

■ 38.1309, 48.1943,
86.6504

■ 41.4465, 51.7449,
87.1610

■ 45.5459, 55.7632,
87.7205

■ 50.4904, 60.2815,
88.3320

■ 56.3351, 65.3288,
88.9982

■ 63.1301, 70.9316,
89.7215

■ 70.9220, 77.1143,
90.5042

Harmonies

Analogous

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



27.8789, 39.9231, 66.1776



32.0738, 39.9231, 85.3723



38.3186, 39.9231, 92.5853

Triad

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



32.0738, 39.9231, 85.3723



52.5508, 39.9231, 42.4137



31.5017, 39.9231, 18.7716

Complementary

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



32.0738, 39.9231, 85.3723



35.8687, 20.3851, 2.0461

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.



37.5752, 39.9231, 15.7810



32.0738, 39.9231, 85.3723



50.1838, 39.9231, 26.6597

Square

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



32.0738, 39.9231, 85.3723



50.6330, 39.9231, 63.7675



44.4938, 39.9231, 18.1700



27.5774, 39.9231, 28.0128

Rectangle

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



32.0738, 39.9231, 85.3723



42.9652, 39.9231, 88.3183



44.4938, 39.9231, 18.1700



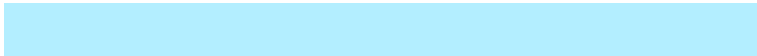
33.3332, 39.9231, 17.1513

Sweetspot

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



32.0752, 39.9245, 85.3733



67.0459, 77.7860, 106.0883



30.5981, 60.2325, 13.1666



13.6918, 16.0881, 22.6336



0.0000, 0.0000, 0.0000



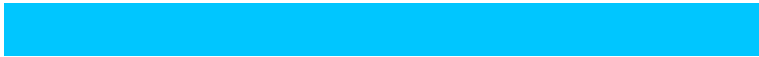
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0752, 39.9245, 85.3733



38.1799, 47.4798, 101.7600



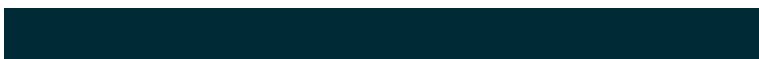
17.1432, 10.0605, 80.3960



15.2140, 16.5145, 19.3080



17.7794, 22.2058, 47.0920



1.4664, 1.8843, 3.7213

Inverse Universe

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



43.1406, 21.2534, 46.6295



51.4007, 25.3243, 55.4353



48.8090, 46.2658, 6.3595



15.5616, 15.2525, 18.2426



23.8295, 11.7345, 25.9673



1.9067, 0.9356, 2.2259

Previews

White Background



This preview shows how the XYZ color 32.0738, 39.9231, 85.3723 looks on a white background.

Color Contrast Check

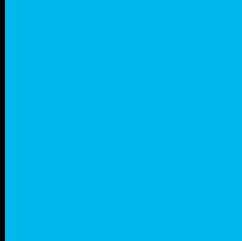
Large Text (above 18pt) WCAG AA × Fail

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 32.0738, 39.9231, 85.3723 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 32.0738, 39.9231, 85.3723

Background



This preview shows how black text looks on a background with the XYZ color 32.0738, 39.9231, 85.3723.

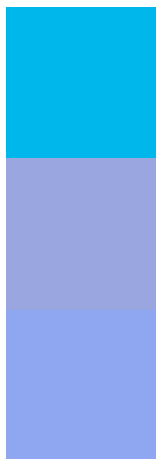


This preview shows how white text looks on a background with the XYZ color 32.0738, 39.9231,

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

32.0738, 39.9231, 85.3723

Protanopia

40.0924, 39.3725, 75.2986

Deuteranopia

40.7022, 39.6795, 87.9517



Tritanopia

28.4310, 39.8049, 62.0618

Trichromacy



Original Color

32.0738, 39.9231, 85.3723

Protanomaly

33.6859, 37.6479, 78.8901

Deuteranomaly

34.7400, 38.2928, 87.2216

Tritanomaly

29.6965, 39.9729, 69.7687

Monochromacy



Original Color

32.0738, 39.9231, 85.3723

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.3252, 27.3280, 42.6263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0738, 39.9231, 85.3723 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, 183, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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, 183, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 236) }
```

Border

The CSS property to change the border of an element to XYZ 32.0738, 39.9231, 85.3723 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, 183, 236) }
```


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

```
.border{ border-color:rgb(0, 183, 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, 183, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0738, 39.9231, 85.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 236) }
```

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

```
.background{ background-color: rgb(0, 183,  
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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