

Converting Colors

XYZ(17.9685, 30.8882, 91.0265)

Have a look what the booklet for
XYZ(17.9685, 30.8882, 91.0265)
contains.

XYZ(32.4018, 38.4334, 92.0968)	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(32.4018, 38.4334,
92.0968)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2F5
RGB	0, 178, 245
RGB Percent	0%, 70%, 96%
CMY	0.9997, 0.3020, 0.0392
CMYK	1.00, 0.27, 0.00, 0.04
HSL	196°, 100%, 48%
HSV	196°, 100%, 96%
XYZ	32.4018, 38.4334, 92.0968
YIQ	132.4160, -127.5950, -16.8990

Conversions

Conversions Part 2

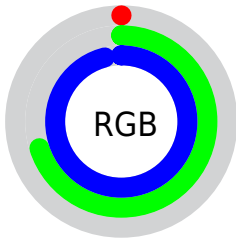
Format	Color
R _{YB}	0, 103, 245
Decimal	45813
CIE Lab	68.34, -14.24, -43.73
CIE LCh	68, 45.993, 251.959
Yxy	38.4334, 0.1989, 0.2359
Android (android.graphics.Color)	4278235893 (0xFF00B2F5)
YUV	132.4160, 55.5039, -116.1288
Hunter-Lab	61.9947, -15.1968, -44.6826

Details

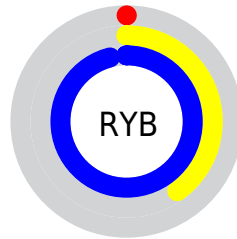
The XYZ color **32.4018, 38.4334, 92.0968** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **39.6679, 23.4348, 2.4345**, and the grayscale version is **21.9286, 23.0706, 25.1239**.

A 20% lighter version of the original color is **54.0284, 69.4451, 105.1644**, and **16.4107, 18.2981, 50.2439** is the 20% darker color. If you saturate the color by 10%, you get **32.3988, 38.4271, 92.0966**, and if you desaturate by 10%, it is **34.1589, 41.3679, 92.5714**.

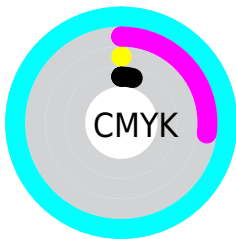
Distribution



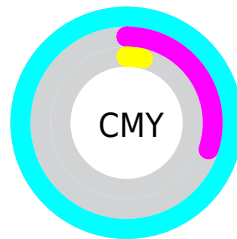
- Red (0%)
- Green (70%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (30%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4018, 38.4334, 92.0968 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 32.4018, 38.4334, 92.0968 by changing the saturation by 10% instead.

■ 32.4018, 38.4334,
92.0968

■ 32.4018, 38.4334,
92.0968

304.6584,
339.4755, 555.5734

■ 21.8256, 26.3192,
69.1376

■ 62.8014, 72.7719,
152.2084

■ 13.8447, 17.0626,
50.3513

■ 83.3555, 95.7651,
190.1978

■ 8.0937, 10.2791,
35.3195

■ 107.9664,
123.1534, 234.0344

■ 4.2073, 5.5844,
23.6235

■ 136.9993,
155.3212, 284.1367

■ 1.8201, 2.5941,
14.8450

■ 170.8195,
192.6529, 340.9232

■ 0.5297, 0.9237,
8.5653

209.7926,

■ 0.0000, 0.0000,

235.5330, 404.8125

4.3658

254.2838,
284.3457, 476.2230

■ 0.0000, 0.0000,
1.8281

■ 0.0000, 0.0000,
0.4464

■ 32.4018, 38.4334,
92.0968

■ 32.4018, 38.4334,
92.0968

■ 32.3988, 38.4271,
92.0966

■ 34.1589, 41.3679,
92.5714

■ 36.4707, 44.6859,
93.0900

■ 39.4909, 48.4685,
93.6609

■ 43.3113, 52.7642,
94.2887

■ 48.0093, 57.6142,
94.9773

■ 53.6525, 63.0547,
95.7300

■ 60.3017, 69.1181,
96.5499

■ 68.0123, 75.8343,
97.4398

■ 76.8355, 83.2307,
98.4025

Harmonies

Analogous

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



27.1590, 38.4334, 74.4064



32.4018, 38.4334, 92.0968



39.4787, 38.4334, 93.9543

Triad

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



32.4018, 38.4334, 92.0968



51.8421, 38.4334, 34.1471



28.0217, 38.4334, 18.7199

Complementary

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



32.4018, 38.4334, 92.0968



39.6679, 23.4348, 2.4345

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.



33.7315, 38.4334, 13.7813



32.4018, 38.4334, 92.0968



47.8407, 38.4334, 20.5172

Square

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



32.4018, 38.4334, 92.0968



51.3627, 38.4334, 55.3893



40.9943, 38.4334, 14.3079



24.8688, 38.4334, 30.7149

Rectangle

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



32.4018, 38.4334, 92.0968



44.3711, 38.4334, 85.3868



40.9943, 38.4334, 14.3079



29.6714, 38.4334, 16.3897

Sweetspot

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



32.4032, 38.4347, 92.0978



65.9691, 75.6323, 105.7293



33.6187, 65.6919, 15.9671



13.4329, 15.5702, 22.5473



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.



32.4032, 38.4347, 92.0978



35.4509, 42.0218, 100.8503



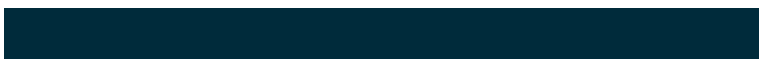
17.9563, 9.5408, 87.2821



16.5910, 17.9464, 21.1321



17.5751, 20.9441, 49.6543



1.6300, 2.0115, 4.3926

Inverse Universe

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



45.6933, 22.6285, 44.0800



50.0232, 24.7733, 48.1816



55.6079, 55.3149, 7.7479



17.0089, 16.6864, 19.7934



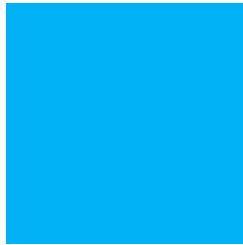
24.6756, 12.2137, 24.0640



2.2118, 1.0907, 2.3418

Previews

White Background



This preview shows how the XYZ color 32.4018, 38.4334, 92.0968 looks on a white background.

Color Contrast Check

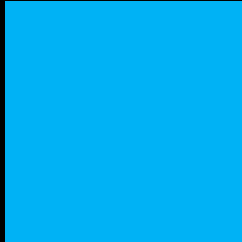
Large Text (above 18pt) WCAG AA × Fail

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 32.4018, 38.4334, 92.0968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

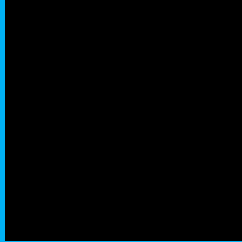
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

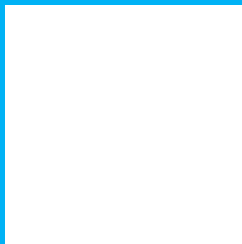
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4018, 38.4334, 92.0968

Background



This preview shows how black text looks on a background with the XYZ color 32.4018, 38.4334, 92.0968.



This preview shows how white text looks on a background with the XYZ color 32.4018, 38.4334,

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

32.4018, 38.4334, 92.0968

Protanopia

39.3068, 38.0069, 82.3552

Deuteranopia

39.3005, 38.2768, 94.1237



Tritanopia

27.3335, 38.3582, 59.3893

Trichromacy



Original Color

32.4018, 38.4334, 92.0968



Protanomaly

33.7023, 36.3950, 85.3694



Deuteranomaly

34.5566, 37.2142, 93.3574



Tritanomaly

28.9937, 38.3622, 70.1665

Monochromacy



Original Color

32.4018, 38.4334, 92.0968



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.9464, 26.3968, 43.4736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4018, 38.4334, 92.0968 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, 178, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 245) }
```

Border

The CSS property to change the border of an element to XYZ 32.4018, 38.4334, 92.0968 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, 178, 245) }
```


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

```
.border{ border-color:rgb(0, 178, 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, 178, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4018, 38.4334, 92.0968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 245) }
```

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

```
.background{ background-color: rgb(0, 178,  
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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