

Converting Colors

XYZ(32.4858, 39.8778, 88.1896)

Have a look what the booklet for
XYZ(32.4858, 39.8778, 88.1896)
contains.

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Color

**XYZ(32.4561, 39.7472,
88.3994)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6F0
RGB	0, 182, 240
RGB Percent	0%, 71%, 94%
CMY	0.9998, 0.2863, 0.0588
CMYK	1.00, 0.24, 0.00, 0.06
HSL	195°, 100%, 47%
HSV	195°, 100%, 94%
XYZ	32.4561, 39.7472, 88.3994
YIQ	134.1940, -127.0900, -20.5460

Conversions

Conversions Part 2

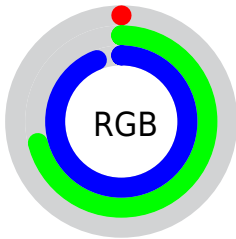
Format	Color
RYB	0, 104, 240
Decimal	46832
CIELab	69.29, -18.15, -39.53
CIELCh	69, 43.493, 245.342
Yxy	39.7472, 0.2021, 0.2475
Android (android.graphics.Color)	4278236912 (0xFF00B6F0)
YUV	134.1940, 52.1624, -117.6881
Hunter-Lab	63.0454, -18.4367, -39.0020

Details

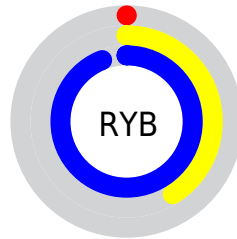
The XYZ color **32.4561, 39.7472, 88.3994** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **37.4520, 21.5579, 2.1889**, and the grayscale version is **22.5864, 23.7626, 25.8775**.

A 20% lighter version of the original color is **55.0549, 71.6841, 105.5424**, and **16.5020, 19.1612, 48.1761** is the 20% darker color. If you saturate the color by 10%, you get **32.4536, 39.7419, 88.3993**, and if you desaturate by 10%, it is **34.0478, 42.3689, 88.8224**.

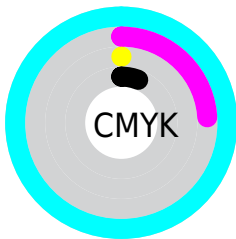
Distribution



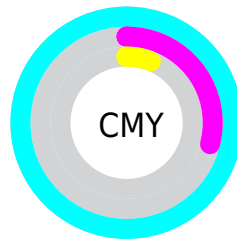
- Red (0%)
- Green (71%)
- Blue (94%)



- Red (0%)
- Yellow (41%)
- Blue (94%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4561, 39.7472, 88.3994 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 32.4561, 39.7472, 88.3994 by changing the saturation by 10% instead.

■ 32.4561, 39.7472,
88.3994

■ 32.4561, 39.7472,
88.3994

304.9002,
345.0569, 543.2455

■ 21.8673, 27.3415,
66.0877

■ 62.8858, 74.7784,
147.0291

■ 13.8755, 17.8299,
47.8866

■ 83.4575, 98.1727,
184.1842

■ 8.1153, 10.8279,
33.3778

■ 108.0875,
125.9986, 227.1241

■ 4.2212, 5.9512,
22.1425

■ 137.1412,
158.6406, 276.2674

■ 1.8280, 2.8154,
13.7623

■ 170.9840,
196.4830, 332.0327

■ 0.5345, 1.0362,
7.8187

209.9812,

■ 0.0000, 0.0000,

239.9103, 394.8384

3.8931

254.4981,
289.3068, 465.1031

■ 0.0000, 0.0000,
1.5669

■ 0.0000, 0.0000,
0.2670

■ 32.4561, 39.7472,
88.3994

■ 32.4561, 39.7472,
88.3994

■ 32.4536, 39.7419,
88.3993

■ 34.0478, 42.3689,
88.8224

■ 36.1542, 45.3292,
89.2827

■ 38.9226, 48.7056,
89.7885

■ 42.4399, 52.5437,
90.3440

■ 46.7794, 56.8820,
90.9527

■ 52.0050, 61.7544,
91.6177

■ 58.1744, 67.1914,
92.3420

■ 65.3399, 73.2206,
93.1281

■ 73.5500, 79.8679,
93.9784

Harmonies

Analogous

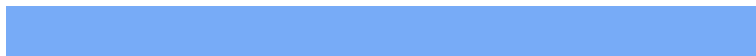
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.8626, 39.7472, 69.5090



32.4561, 39.7472, 88.3994



39.0408, 39.7472, 93.8772

Triad

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



32.4561, 39.7472, 88.3994



52.7632, 39.7472, 39.8000



30.5409, 39.7472, 18.9033

Complementary

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



32.4561, 39.7472, 88.3994



37.4520, 21.5579, 2.1889

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.



36.5438, 39.7472, 15.1978



32.4561, 39.7472, 88.3994



49.8055, 39.7472, 24.6481

Square

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



32.4561, 39.7472, 88.3994



51.3217, 39.7472, 61.3569



43.6532, 39.7472, 16.9188



26.8558, 39.7472, 29.1527

Rectangle

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



32.4561, 39.7472, 88.3994



43.8133, 39.7472, 88.0874



43.6532, 39.7472, 16.9188



32.3250, 39.7472, 17.0227

Sweetspot

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



32.4575, 39.7485, 88.4004



66.6670, 77.0282, 105.9619



31.8762, 62.6072, 14.1519



13.6006, 15.9057, 22.6032



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.



32.4575, 39.7485, 88.4004



37.1998, 45.5195, 101.4333



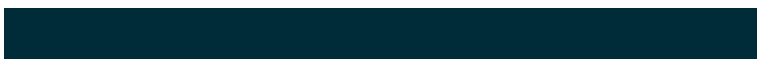
17.5651, 9.9637, 83.4363



15.9048, 17.2437, 20.2117



17.8743, 21.9728, 48.4270



1.5635, 1.9809, 4.0542

Inverse Universe

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



44.3799, 21.9043, 46.1460



50.9059, 25.1264, 52.8300



51.4646, 49.5831, 6.8598



16.2814, 15.9623, 19.0380



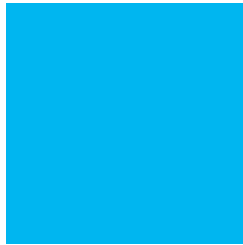
24.3477, 12.0115, 25.5455



2.0641, 1.0147, 2.3285

Previews

White Background



This preview shows how the XYZ color 32.4561, 39.7472, 88.3994 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 32.4561, 39.7472, 88.3994 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 32.4561, 39.7472, 88.3994

Background



This preview shows how black text looks on a background with the XYZ color 32.4561, 39.7472, 88.3994.



This preview shows how white text looks on a background with the XYZ color 32.4561, 39.7472,

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

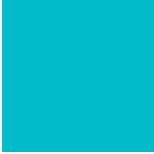
32.4561, 39.7472, 88.3994

Protanopia

40.0790, 39.3025, 78.1468

Deuteranopia

40.6291, 39.5724, 91.0848



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

32.4561, 39.7472, 88.3994



Protanomaly

34.0373, 37.7641, 81.8392



Deuteranomaly

34.9547, 38.0508, 90.2963



Tritanomaly

29.6147, 39.6042, 70.3735

Monochromacy



Original Color

32.4561, 39.7472, 88.3994



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.3557, 27.0816, 43.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4561, 39.7472, 88.3994 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, 182, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 240)  
}
```

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, 182, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 240) }
```

Border

The CSS property to change the border of an element to XYZ 32.4561, 39.7472, 88.3994 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, 182, 240) }
```


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

```
.border{ border-color:rgb(0, 182, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4561, 39.7472, 88.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 240) }
```

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

```
.background{ background-color: rgb(0, 182,  
240) }
```

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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