

Converting Colors

XYZ(12.1246, 29.1250, 89.2528)

Have a look what the booklet for
XYZ(12.1246, 29.1250, 89.2528)
contains.

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Color

**XYZ(32.7550, 39.8667,
89.9731)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6F2
RGB	0, 182, 242
RGB Percent	0%, 71%, 95%
CMY	0.9997, 0.2863, 0.0510
CMYK	1.00, 0.25, 0.00, 0.05
HSL	195°, 100%, 47%
HSV	195°, 100%, 95%
XYZ	32.7550, 39.8667, 89.9731
YIQ	134.4220, -127.7320, -19.9240

Conversions

Conversions Part 2

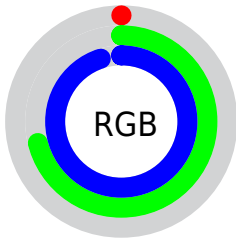
Format	Color
R _{YB}	0, 104, 242
Decimal	46834
CIE _{Lab}	69.37, -17.44, -40.48
CIE _{LCh}	69, 44.079, 246.688
Yxy	39.8667, 0.2015, 0.2452
Android (android.graphics.Color)	4278236914 (0xFF00B6F2)
YUV	134.4220, 53.0360, -117.8881
Hunter-Lab	63.1401, -17.8952, -40.2888

Details

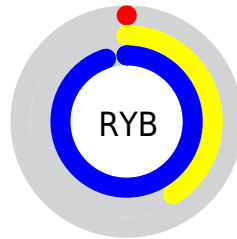
The XYZ color **32.7550, 39.8667, 89.9731** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **38.2383, 22.1167, 2.2556**, and the grayscale version is **22.6681, 23.8486, 25.9711**.

A 20% lighter version of the original color is **55.0549, 71.6841, 105.5424**, and **16.7132, 19.2457, 49.2883** is the 20% darker color. If you saturate the color by 10%, you get **32.7519, 39.8603, 89.9729**, and if you desaturate by 10%, it is **34.3944, 42.5764, 90.4106**.

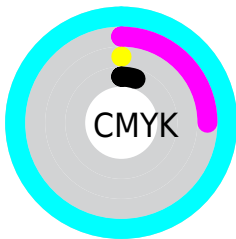
Distribution



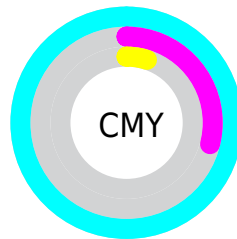
- Red (0%)
- Green (71%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7550, 39.8667, 89.9731 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 32.7550, 39.8667, 89.9731 by changing the saturation by 10% instead.

■ 32.7550, 39.8667,
89.9731

■ 32.7550, 39.8667,
89.9731

306.2288,
345.5614, 548.5112

■ 22.0972, 27.4346,
67.3847

■ 63.3501, 74.9605,
149.2362

■ 14.0453, 17.8999,
48.9338

■ 84.0180, 98.3910,
186.7481

■ 8.2341, 10.8782,
34.2017

■ 108.7534,
126.2564, 230.0715

■ 4.2982, 5.9850,
22.7700

■ 137.9215,
158.9412, 279.6250

■ 1.8722, 2.8359,
14.2201

■ 171.8878,
196.8297, 335.8272

■ 0.5606, 1.0467,
8.1334

211.0175,

■ 0.0000, 0.0000,

240.3063, 399.0966

4.0914

255.6761,
289.7554, 469.8518

■ 0.0000, 0.0000,
1.6756

■ 0.0000, 0.0000,
0.3440

■ 32.7550, 39.8667,
89.9731

■ 32.7550, 39.8667,
89.9731

■ 32.7519, 39.8603,
89.9729

■ 34.3944, 42.5764,
90.4106

■ 36.5615, 45.6367,
90.8870

■ 39.4059, 49.1264,
91.4107

■ 43.0167, 53.0921,
91.9858

■ 47.4685, 57.5732,
92.6161

■ 52.8268, 62.6045,
93.3049

■ 59.1503, 68.2170,
94.0549

■ 66.4925, 74.4392,
94.8689

■ 74.9029, 81.2975,
95.7494

Harmonies

Analogous

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



27.9883, 39.8667, 71.1242



32.7550, 39.8667, 89.9731



39.5002, 39.8667, 94.8007

Triad

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



32.7550, 39.8667, 89.9731



53.0886, 39.8667, 39.0228



30.3251, 39.8667, 19.0450

Complementary

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



32.7550, 39.8667, 89.9731



38.2383, 22.1167, 2.2556

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.



36.3282, 39.8667, 15.0542



32.7550, 39.8667, 89.9731



49.8935, 39.8667, 24.0290

Square

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



32.7550, 39.8667, 89.9731



51.8231, 39.8667, 60.7413



43.5401, 39.8667, 16.5411



26.7123, 39.8667, 29.7324

Rectangle

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



32.7550, 39.8667, 89.9731



44.3427, 39.8667, 88.4036



43.5401, 39.8667, 16.5411



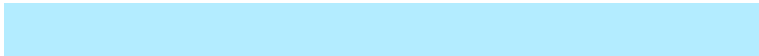
32.0996, 39.8667, 17.0568

Sweetspot

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



32.7564, 39.8680, 89.9741



66.5285, 76.7512, 105.9158



32.4800, 63.7960, 14.4106



13.5673, 15.8390, 22.5921



0.0000, 0.0000, 0.0000



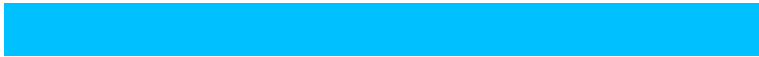
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7564, 39.8680, 89.9741



36.8468, 44.8137, 101.3156



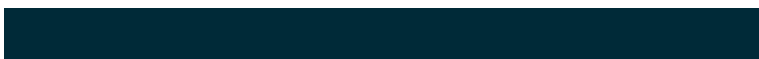
17.8947, 10.1446, 85.0202



15.8960, 17.2262, 20.2088



17.7079, 21.6401, 48.3715



1.5509, 1.9557, 4.0500

Inverse Universe

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



45.0628, 22.2565, 46.1779



50.7278, 25.0551, 51.8920



52.4371, 50.5144, 6.9886



16.2770, 15.9605, 19.0147



24.2638, 11.9779, 25.1032



2.0578, 1.0121, 2.2950

Previews

White Background



This preview shows how the XYZ color 32.7550, 39.8667, 89.9731 looks on a white background.

Color Contrast Check

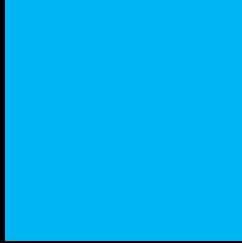
Large Text (above 18pt) WCAG AA × Fail

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 32.7550, 39.8667, 89.9731 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

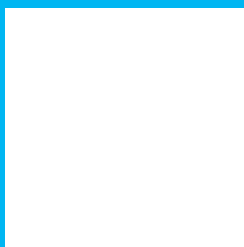
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7550, 39.8667, 89.9731

Background



This preview shows how black text looks on a background with the XYZ color 32.7550, 39.8667, 89.9731.



This preview shows how white text looks on a background with the XYZ color 32.7550, 39.8667,

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

32.7550, 39.8667, 89.9731

Protanopia

40.3568, 39.4136, 79.6093

Deuteranopia

40.6066, 39.5255, 92.6778



Tritanopia

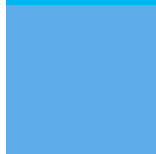
28.3129, 39.7577, 61.4401

Trichromacy



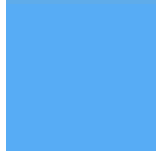
Original Color

32.7550, 39.8667, 89.9731



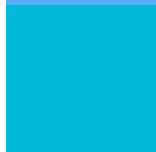
Protanomaly

34.3231, 37.8785, 83.3442



Deuteranomaly

35.1644, 38.1239, 91.8915



Tritanomaly

29.7436, 39.6558, 71.0524

Monochromacy



Original Color

32.7550, 39.8667, 89.9731



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 32.7550, 39.8667, 89.9731 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 242) }
```

Border

The CSS property to change the border of an element to XYZ 32.7550, 39.8667, 89.9731 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, 242) }
```


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

```
.border{ border-color:rgb(0, 182, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7550, 39.8667, 89.9731 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, 242) }
```

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

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