

Converting Colors

XYZ(9.0822, 28.0751, 88.0767)

Have a look what the booklet for
XYZ(9.0822, 28.0751, 88.0767)
contains.

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Color

**XYZ(32.8107, 40.2178,
89.2526)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7F1
RGB	0, 183, 241
RGB Percent	0%, 72%, 95%
CMY	0.9997, 0.2823, 0.0549
CMYK	1.00, 0.24, 0.00, 0.05
HSL	194°, 100%, 47%
HSV	194°, 100%, 95%
XYZ	32.8107, 40.2178, 89.2526
YIQ	134.8950, -127.6860, -20.7580

Conversions

Conversions Part 2

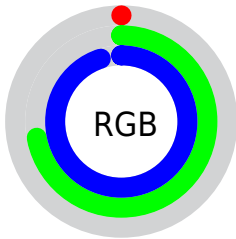
Format	Color
RYB	0, 104, 241
Decimal	47089
CIELab	69.62, -18.32, -39.55
CIELCh	70, 43.586, 245.142
Yxy	40.2178, 0.2022, 0.2478
Android (android.graphics.Color)	4278237169 (0xFF00B7F1)
YUV	134.8950, 52.3098, -118.3029
Hunter-Lab	63.4175, -18.6290, -39.0514

Details

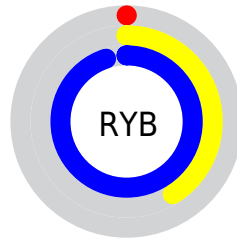
The XYZ color **32.8107, 40.2178, 89.2526** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **37.7931, 21.7345, 2.2053**, and the grayscale version is **22.8449, 24.0347, 26.1737**.

A 20% lighter version of the original color is **55.3469, 72.2680, 105.6398**, and **16.7396, 19.4680, 48.7744** is the 20% darker color. If you saturate the color by 10%, you get **32.8076, 40.2115, 89.2524**, and if you desaturate by 10%, it is **34.4135, 42.8580, 89.6786**.

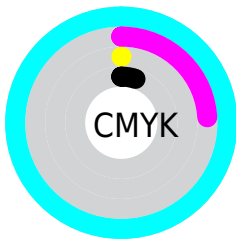
Distribution



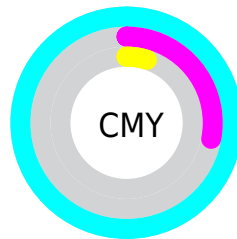
- Red (0%)
- Green (72%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8107, 40.2178, 89.2526 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 32.8107, 40.2178, 89.2526 by changing the saturation by 10% instead.

■ 32.8107, 40.2178,
89.2526

■ 32.8107, 40.2178,
89.2526

306.4760,
347.0407, 546.1038

■ 22.1400, 27.7084,
66.7907

■ 63.4365, 75.4951,
148.2262

■ 14.0770, 18.1060,
48.4540

■ 84.1224, 99.0317,
185.5750

■ 8.2563, 11.0261,
33.8240

■ 108.8773,
127.0129, 228.7232

■ 4.3126, 6.0844,
22.4822

■ 138.0667,
159.8230, 278.0893

■ 1.8804, 2.8965,
14.0099

■ 172.0559,
197.8465, 334.0919

■ 0.5654, 1.0779,
7.9887

211.2103,

■ 0.0000, 0.0000,

241.4676, 397.1495

4.0001

255.8952,
291.0709, 467.6806

■ 0.0000, 0.0000,
1.6254

■ 0.0000, 0.0000,
0.3088

■ 32.8107, 40.2178,
89.2526

■ 32.8107, 40.2178,
89.2526

■ 32.8076, 40.2115,
89.2524

■ 34.4135, 42.8580,
89.6786

■ 36.5359, 45.8395,
90.1422

■ 39.3264, 49.2403,
90.6515

■ 42.8727, 53.1066,
91.2109

■ 47.2489, 57.4772,
91.8239

■ 52.5196, 62.3863,
92.4936

■ 58.7429, 67.8647,
93.2230

■ 65.9718, 73.9405,
94.0148

■ 74.2552, 80.6396,
94.8712

Harmonies

Analogous

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



28.1864, 40.2178, 70.1248



32.8107, 40.2178, 89.2526



39.4525, 40.2178, 94.8931

Triad

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



32.8107, 40.2178, 89.2526



53.3630, 40.2178, 40.4053



30.9483, 40.2178, 19.1149

Complementary

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



32.8107, 40.2178, 89.2526



37.7931, 21.7345, 2.2053

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.



37.0248, 40.2178, 15.4062



32.8107, 40.2178, 89.2526



50.4042, 40.2178, 25.0440

Square

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



32.8107, 40.2178, 89.2526



51.8779, 40.2178, 62.2021



44.2062, 40.2178, 17.1835



27.2073, 40.2178, 29.4257

Rectangle

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



32.8107, 40.2178, 89.2526



44.2733, 40.2178, 89.1220



44.2062, 40.2178, 17.1835



32.7558, 40.2178, 17.2271

Sweetspot

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



32.8121, 40.2192, 89.2536



66.6889, 77.0720, 105.9692



32.1774, 63.2001, 14.2815



13.6059, 15.9162, 22.6050



0.0000, 0.0000, 0.0000



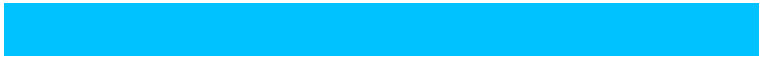
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8121, 40.2192, 89.2536



37.2558, 45.6317, 101.4519



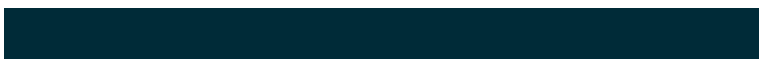
17.7298, 10.0544, 84.2262



15.9062, 17.2465, 20.2122



17.9007, 22.0257, 48.4358



1.5655, 1.9849, 4.0548

Inverse Universe

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



44.8242, 22.1215, 46.7082



50.9342, 25.1377, 52.9791



51.9499, 50.0481, 6.9243



16.2821, 15.9625, 19.0417



24.3611, 12.0169, 25.6157



2.0651, 1.0151, 2.3338

Previews

White Background



This preview shows how the XYZ color 32.8107, 40.2178, 89.2526 looks on a white background.

Color Contrast Check

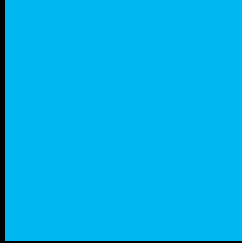
Large Text (above 18pt) WCAG AA × Fail

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 32.8107, 40.2178, 89.2526 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 32.8107, 40.2178, 89.2526

Background



This preview shows how black text looks on a background with the XYZ color 32.8107, 40.2178, 89.2526.



This preview shows how white text looks on a background with the XYZ color 32.8107, 40.2178,

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

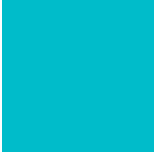
32.8107, 40.2178, 89.2526

Protanopia

40.5848, 39.8182, 78.9454

Deuteranopia

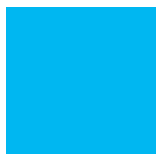
41.1315, 40.0868, 91.9559



Tritanopia

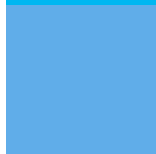
28.6439, 40.2307, 62.1327

Trichromacy



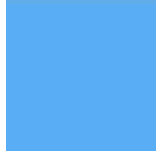
Original Color

32.8107, 40.2178, 89.2526



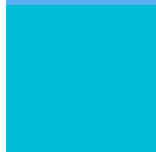
Protanomaly

34.4754, 38.2571, 82.6581



Deuteranomaly

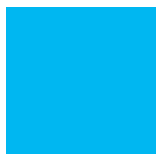
35.2972, 38.4935, 91.1576



Tritanomaly

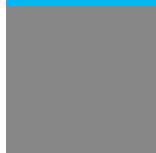
29.9536, 40.0757, 71.1224

Monochromacy



Original Color

32.8107, 40.2178, 89.2526



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.7060, 27.4909, 44.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8107, 40.2178, 89.2526 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 241) }
```

Border

The CSS property to change the border of an element to XYZ 32.8107, 40.2178, 89.2526 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, 241) }
```


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

```
.border{ border-color:rgb(0, 183, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8107, 40.2178, 89.2526 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, 241) }
```

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

```
.background{ background-color: rgb(0, 183,  
241) }
```

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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