

Converting Colors

XYZ(32.7798, 40.4649, 88.2868)

Have a look what the booklet for
XYZ(32.7798, 40.4649, 88.2868)
contains.

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Color

**XYZ(32.8687, 40.5723,
88.5369)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8F0
RGB	0, 184, 240
RGB Percent	0%, 72%, 94%
CMY	0.9997, 0.2784, 0.0588
CMYK	1.00, 0.23, 0.00, 0.06
HSL	194°, 100%, 47%
HSV	194°, 100%, 94%
XYZ	32.8687, 40.5723, 88.5369
YIQ	135.3680, -127.6400, -21.5920

Conversions

Conversions Part 2

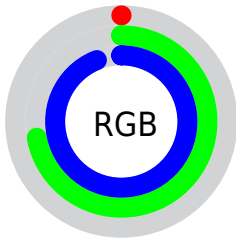
Format	Color
RYB	0, 104, 240
Decimal	47344
CIELab	69.88, -19.20, -38.61
CIELCh	70, 43.122, 243.566
Yxy	40.5723, 0.2029, 0.2505
Android (android.graphics.Color)	4278237424 (0xFF00B8F0)
YUV	135.3680, 51.5836, -118.7177
Hunter-Lab	63.6964, -19.3589, -37.8246

Details

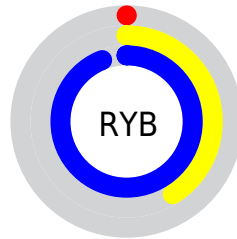
The XYZ color **32.8687, 40.5723, 88.5369** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **37.3533, 21.3604, 2.1562**, and the grayscale version is **23.0221, 24.2211, 26.3767**.

A 20% lighter version of the original color is **55.6405, 72.8552, 105.7376**, and **16.7680, 19.6933, 48.2648** is the 20% darker color. If you saturate the color by 10%, you get **32.8660, 40.5666, 88.5368**, and if you desaturate by 10%, it is **34.4344, 43.1418, 88.9512**.

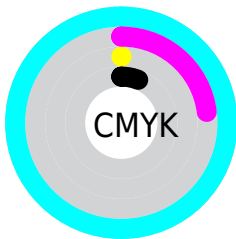
Distribution



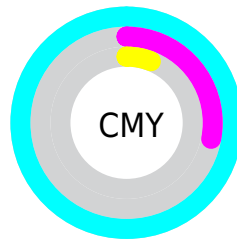
- Red (0%)
- Green (72%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8687, 40.5723, 88.5369 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 32.8687, 40.5723, 88.5369 by changing the saturation by 10% instead.


 32.8687, 40.5723,
88.5369


 32.8687, 40.5723,
88.5369


306.7331,
348.5299, 543.7067

 22.1846, 27.9850,
66.2009


 63.5265, 76.0342,
147.2221


 14.1100, 18.3144,
47.9780


 84.2310, 99.6776,
184.4084


 8.2794, 11.1759,
33.4496

 109.0063,
127.7753, 227.3820

 4.3276, 6.1853,
22.1972

 138.2179,
160.7114, 276.5613

 1.8891, 2.9581,
13.8022

 172.2310,
198.8706, 332.3648

 0.5705, 1.1099,
7.8460

211.4110,

 0.0000, 0.0000,

242.6371, 395.2112

3.9102

256.1232,
292.3954, 465.5190

■ 0.0000, 0.0000,
1.5762

■ 0.0000, 0.0000,
0.2738

■ 32.8687, 40.5723,
88.5369

■ 32.8687, 40.5723,
88.5369

■ 32.8660, 40.5666,
88.5368

■ 34.4344, 43.1418,
88.9512

■ 36.5116, 46.0436,
89.4018

■ 39.2475, 49.3549,
89.8967

■ 42.7291, 53.1212,
90.4402

■ 47.0295, 57.3811,
91.0358

■ 52.2126, 62.1681,
91.6866

■ 58.3360, 67.5127,
92.3955

■ 65.4519, 73.4426,
93.1650

■ 73.6089, 79.9833,
93.9976

Harmonies

Analogous

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



28.3874, 40.5723, 69.1382



32.8687, 40.5723, 88.5369



39.4070, 40.5723, 94.9837

Triad

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



32.8687, 40.5723, 88.5369



53.6389, 40.5723, 41.8190



31.5808, 40.5723, 19.1877

Complementary

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



32.8687, 40.5723, 88.5369



37.3533, 21.3604, 2.1562

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.



37.7306, 40.5723, 15.7656



32.8687, 40.5723, 88.5369



50.9184, 40.5723, 26.0874

Square

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



32.8687, 40.5723, 88.5369



51.9339, 40.5723, 63.6836



44.8791, 40.5723, 17.8436



27.7095, 40.5723, 29.1248

Rectangle

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



32.8687, 40.5723, 88.5369



44.2059, 40.5723, 89.8414



44.8791, 40.5723, 17.8436



33.4215, 40.5723, 17.4011

Sweetspot

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



32.8701, 40.5737, 88.5379



66.8513, 77.3968, 106.0234



31.8763, 62.6072, 14.1525



13.6450, 15.9944, 22.6180



0.0000, 0.0000, 0.0000



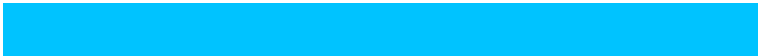
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8701, 40.5737, 88.5379



37.6739, 46.4678, 101.5913



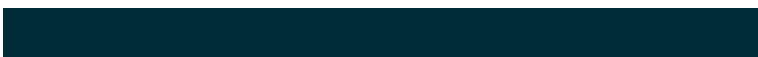
17.5654, 9.9642, 83.4364



15.9164, 17.2670, 20.2156



18.0977, 22.4197, 48.5015



1.5804, 2.0147, 4.0598

Inverse Universe

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



44.5882, 21.9877, 47.2426



51.1452, 25.2221, 54.0902



51.4649, 49.5837, 6.8601



16.2873, 15.9646, 19.0689



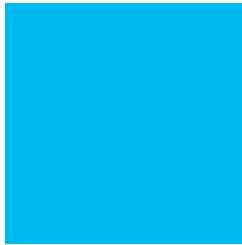
24.4605, 12.0566, 26.1394



2.0726, 1.0181, 2.3734

Previews

White Background



This preview shows how the XYZ color 32.8687, 40.5723, 88.5369 looks on a white background.

Color Contrast Check

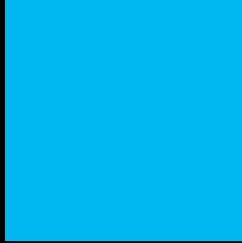
Large Text (above 18pt) WCAG AA × Fail

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 32.8687, 40.5723, 88.5369 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 32.8687, 40.5723, 88.5369

Background



This preview shows how black text looks on a background with the XYZ color 32.8687, 40.5723, 88.5369.

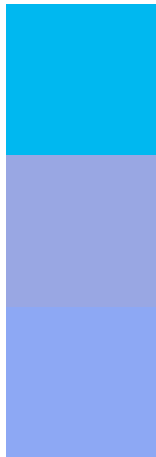


This preview shows how white text looks on a background with the XYZ color 32.8687, 40.5723,

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

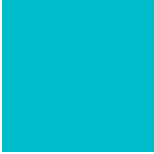
32.8687, 40.5723, 88.5369

Protanopia

40.8207, 39.9558, 78.2338

Deuteranopia

41.3163, 40.1996, 91.1697



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



Original Color

32.8687, 40.5723, 88.5369

Protanomaly

34.4388, 38.2547, 81.9127

Deuteranomaly

35.5302, 38.9168, 90.4331

Tritanomaly

30.1650, 40.4985, 71.1929

Monochromacy



Original Color

32.8687, 40.5723, 88.5369

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.7718, 27.7780, 43.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8687, 40.5723, 88.5369 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, 184, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 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, 184, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 240) }
```

Border

The CSS property to change the border of an element to XYZ 32.8687, 40.5723, 88.5369 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, 184, 240) }
```


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

```
.border{ border-color:rgb(0, 184, 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, 184, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8687, 40.5723, 88.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 240) }
```

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

```
.background{ background-color: rgb(0, 184,  
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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