

Converting Colors

XYZ(32.7529, 43.9648, 74.4183)

Have a look what the booklet for
XYZ(32.7529, 43.9648, 74.4183)
contains.

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Color

**XYZ(32.8057, 44.0580,
74.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	20C2DC
RGB	32, 194, 220
RGB Percent	13%, 76%, 86%
CMY	0.8744, 0.2392, 0.1373
CMYK	0.85, 0.12, 0.00, 0.14
HSL	188°, 75%, 49%
HSV	188°, 85%, 86%
XYZ	32.8057, 44.0580, 74.4851
YIQ	148.5260, -104.8980, -26.2580

Conversions

Conversions Part 2

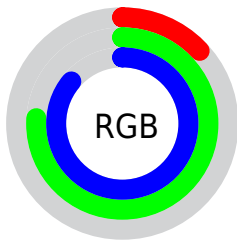
Format	Color
RYB	32, 119, 220
Decimal	2147036
CIELab	72.27, -29.73, -24.04
CIELCh	72, 38.235, 218.957
Yxy	44.0580, 0.2168, 0.2911
Android (android.graphics.Color)	4280337116 (0xFF20C2DC)
YUV	148.5260, 35.2367, -102.1933
Hunter-Lab	66.3762, -27.9367, -20.0699

Details

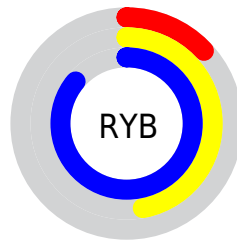
The XYZ color **32.8057, 44.0580, 74.4851** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.2905, 18.3482, 3.2603**, and the grayscale version is **28.2598, 29.7315, 32.3776**.

A 20% lighter version of the original color is **59.6174, 79.8592, 106.8799**, and **16.1696, 21.4728, 38.8897** is the 20% darker color. If you saturate the color by 10%, you get **31.6660, 42.4762, 74.2407**, and if you desaturate by 10%, it is **34.4174, 45.9054, 74.7576**.

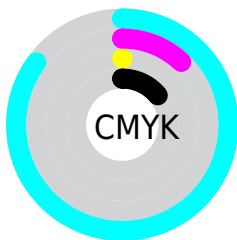
Distribution



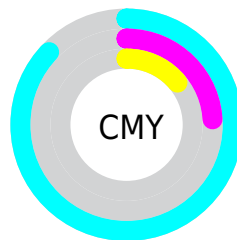
- Red (13%)
- Green (76%)
- Blue (86%)



- Red (13%)
- Yellow (47%)
- Blue (86%)



- Cyan (85%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)



- Cyan (87%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8057, 44.0580, 74.4851 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 32.8057, 44.0580, 74.4851 by changing the saturation by 10% instead.

■ 32.8057, 44.0580,
74.4851

■ 32.8057, 44.0580,
74.4851

306.4538,
362.9449, 495.3540

■ 22.1362, 30.7161,
54.6920

■ 63.4288, 81.3050,
127.3236

■ 14.0741, 20.3828,
38.7582

■ 84.1130, 105.9789,
161.2061

■ 8.2543, 12.6736,
26.2653

■ 108.8662,
135.1990, 200.6221

■ 4.3113, 7.2042,
16.7947

■ 138.0537,
169.3495, 245.9902

■ 1.8797, 3.5901,
9.9278

■ 172.0408,
208.8150, 297.7289

■ 0.5650, 1.4470,
5.2461

211.1930,

■ 0.0000, 0.2510,

253.9798, 356.2567

2.3311

255.8755,
305.2283, 421.9923

■ 0.0000, 0.0000,
0.7486

■ 0.0000, 0.0000,
0.0000

■ 32.8057, 44.0580,
74.4851

■ 32.8057, 44.0580,
74.4851

■ 31.6660, 42.4762,
74.2407

■ 34.4174, 45.9054,
74.7576

■ 31.2398, 41.8101,
74.1346

■ 36.5753, 48.0541,
75.0586

■ 39.3445, 50.5389,
75.3923

■ 42.7802, 53.3882,
75.7611

■ 46.9309, 56.6271,
76.1676

■ 51.8409, 60.2787,
76.6136

■ 57.5506, 64.3638,
77.1012

■ 64.0976, 68.9019,
77.6320

■ 71.5172, 73.9114,
78.2079

Harmonies

Analogous

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



30.6019, 44.0580, 53.8244



32.8057, 44.0580, 74.4851



37.5043, 44.0580, 90.2486

Triad

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



32.8057, 44.0580, 74.4851



54.7985, 44.0580, 62.1606



39.9407, 44.0580, 20.3863

Complementary

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



32.8057, 44.0580, 74.4851



31.2905, 18.3482, 3.2603

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.



46.5745, 44.0580, 21.5203



32.8057, 44.0580, 74.4851



55.6257, 44.0580, 42.5594

Square

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



32.8057, 44.0580, 74.4851



50.3257, 44.0580, 81.9383



52.4803, 44.0580, 28.6403



34.4290, 44.0580, 24.9908

Rectangle

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



32.8057, 44.0580, 74.4851



41.6465, 44.0580, 93.9638



52.4803, 44.0580, 28.6403



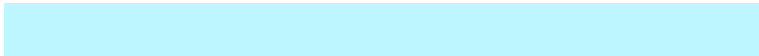
42.1060, 44.0580, 20.1414

Sweetspot

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



32.8071, 44.0596, 74.4862



71.8661, 83.8089, 106.9967



26.9304, 51.7907, 12.4592



14.8492, 17.5462, 22.8541



0.0000, 0.0000, 0.0000



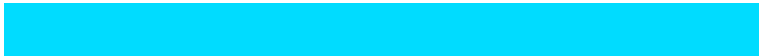
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8071, 44.0596, 74.4862



43.5731, 58.2662, 103.5577



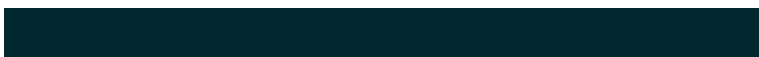
18.1632, 14.7718, 69.6049



13.2833, 14.5064, 16.7520



18.3953, 24.6601, 43.5287



1.2349, 1.6840, 2.8344

Inverse Universe

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



39.7705, 20.1451, 52.8328



54.1229, 26.4132, 69.7703



40.8552, 37.4775, 6.4485



13.5329, 13.2423, 16.0674



22.7804, 11.1132, 29.5535



1.4976, 0.7287, 2.0295

Previews

White Background



This preview shows how the XYZ color 32.8057, 44.0580, 74.4851 looks on a white background.

Color Contrast Check

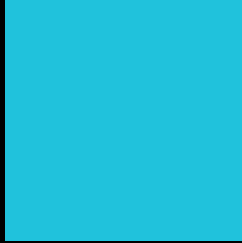
Large Text (above 18pt) WCAG AA × Fail

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 32.8057, 44.0580, 74.4851 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 32.8057, 44.0580, 74.4851

Background



This preview shows how black text looks on a background with the XYZ color 32.8057, 44.0580, 74.4851.



This preview shows how white text looks on a background with the XYZ color 32.8057, 44.0580,

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

32.8057, 44.0580, 74.4851

Protanopia

42.6388, 43.1634, 64.4766

Deuteranopia

44.4705, 43.5389, 77.2942



Tritanopia

31.4390, 43.8189, 68.4289

Trichromacy



Original Color

32.8057, 44.0580, 74.4851



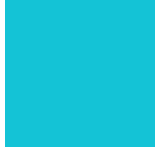
Protanomaly

35.8895, 41.6728, 67.7801



Deuteranomaly

37.3144, 42.2270, 75.9960



Tritanomaly

31.9412, 44.0340, 70.4343

Monochromacy



Original Color

32.8057, 44.0580, 74.4851



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.1369, 33.0696, 45.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8057, 44.0580, 74.4851 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(32, 194, 220)` looks like.

```
.text, #text, p{  
    color:rgb(32, 194, 220)  
}
```

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(32, 194, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 194, 220) }
```

Border

The CSS property to change the border of an element to XYZ 32.8057, 44.0580, 74.4851 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(32, 194, 220) }
```


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

```
.border{ border-color:rgb(32, 194, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 194, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 194, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 194, 220);  
box-shadow:4px 4px 4px 4px rgb(32, 194,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8057, 44.0580, 74.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 194, 220) }
```

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

```
.background{ background-color: rgb(32, 194,  
220) }
```

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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