

Converting Colors

XYZ(32.7488, 43.9683, 77.2835)

Have a look what the booklet for
XYZ(32.7488, 43.9683, 77.2835)
contains.

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Color

**XYZ(32.7463, 43.9654,
77.2813)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2E0
RGB	0, 194, 224
RGB Percent	0%, 76%, 88%
CMY	0.9998, 0.2392, 0.1216
CMYK	1.00, 0.13, 0.00, 0.12
HSL	188°, 100%, 44%
HSV	188°, 100%, 88%
XYZ	32.7463, 43.9654, 77.2813
YIQ	139.4140, -125.2540, -31.7980

Conversions

Conversions Part 2

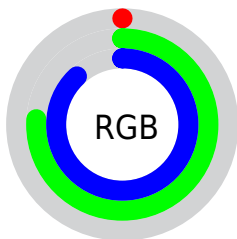
Format	Color
RYB	0, 104, 224
Decimal	49888
CIELab	72.21, -29.68, -26.32
CIELCh	72, 39.670, 221.574
Yxy	43.9654, 0.2126, 0.2855
Android (android.graphics.Color)	4278239968 (0xFF00C2E0)
YUV	139.4140, 41.7009, -122.2661
Hunter-Lab	66.3064, -27.8816, -22.6891

Details

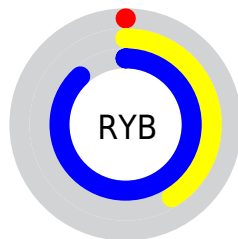
The XYZ color **32.7463, 43.9654, 77.2813** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **31.2067, 16.7787, 1.5953**, and the grayscale version is **24.5855, 25.8659, 28.1679**.

A 20% lighter version of the original color is **58.7315, 79.4025, 106.8385**, and **16.5395, 21.6207, 40.8376** is the 20% darker color. If you saturate the color by 10%, you get **32.7455, 43.9635, 77.2818**, and if you desaturate by 10%, it is **33.7626, 45.4916, 77.5232**.

Distribution



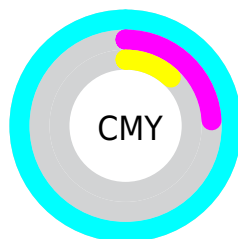
- Red (0%)
- Green (76%)
- Blue (88%)



- Red (0%)
- Yellow (41%)
- Blue (88%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7463, 43.9654, 77.2813 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 32.7463, 43.9654, 77.2813 by changing the saturation by 10% instead.


 32.7463, 43.9654,
77.2813


 32.7463, 43.9654,
77.2813


306.1902,
362.5671, 505.1857


 22.0905, 30.6433,
56.9708


 63.3366, 81.1657,
131.3131

 14.0404, 20.3274,
40.5726


 84.0017, 105.8127,
165.8716


 8.2306, 12.6332,
27.6681


 108.7340,
135.0034, 206.0164

 4.2959, 7.1765,
17.8388

 137.8988,
169.1222, 252.1662

 1.8709, 3.5727,
10.6661

 171.8615,
208.5537, 304.7395

 0.5598, 1.4375,
5.7314

210.9874,

 0.0000, 0.2441,

253.6820, 364.1548

2.6163

255.6418,
304.8917, 430.8307

■ 0.0000, 0.0000,
0.9009

■ 0.0000, 0.0000,
0.0000

■ 32.7463, 43.9654,
77.2813

■ 32.7463, 43.9654,
77.2813

■ 32.7455, 43.9635,
77.2818

■ 33.7626, 45.4916,
77.5232

■ 35.1856, 47.2467,
77.7870

■ 37.1438, 49.2980,
78.0797

■ 39.7100, 51.6831,
78.4048

■ 42.9454, 54.4337,
78.7652

■ 46.9036, 57.5775,
79.1634

■ 51.6328, 61.1395,
79.6017

■ 57.1770, 65.1423,
80.0821

■ 63.5767, 69.6071,
80.6066

Harmonies

Analogous

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



30.2386, 43.9654, 55.7873



32.7463, 43.9654, 77.2813



37.7882, 43.9654, 92.9330

Triad

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



32.7463, 43.9654, 77.2813



55.4667, 43.9654, 60.7145



39.2179, 43.9654, 19.7507

Complementary

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



32.7463, 43.9654, 77.2813



31.2067, 16.7787, 1.5953

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.



46.0600, 43.9654, 20.3999



32.7463, 43.9654, 77.2813



55.9568, 43.9654, 40.7411

Square

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



32.7463, 43.9654, 77.2813



51.0827, 43.9654, 81.7201



52.3569, 43.9654, 27.0665



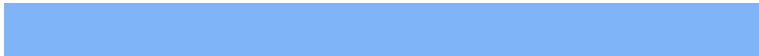
33.6948, 43.9654, 24.9591

Rectangle

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



32.7463, 43.9654, 77.2813



42.1482, 43.9654, 95.9314



52.3569, 43.9654, 27.0665



41.4295, 43.9654, 19.3393

Sweetspot

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



32.7477, 43.9670, 77.2824



69.1026, 81.8994, 106.7738



26.8899, 53.4056, 10.1135



14.1886, 17.0817, 22.7992



0.0000, 0.0000, 0.0000



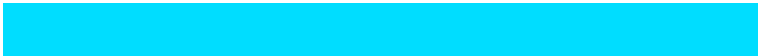
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7477, 43.9670, 77.2824



43.8647, 58.8495, 103.6549



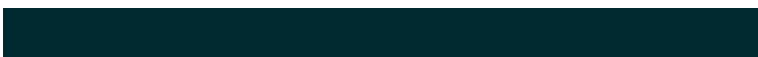
16.4853, 11.4420, 71.8616



13.9518, 15.2427, 17.5945



19.1217, 25.7130, 45.0036



1.3694, 1.8702, 3.1341

Inverse Universe

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



40.4793, 19.7438, 52.7179



54.2701, 26.4720, 70.5455



40.3973, 35.1599, 4.6589



14.2119, 13.9024, 16.8860



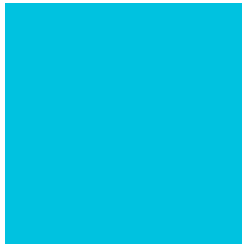
23.5919, 11.5038, 30.8466



1.6575, 0.8063, 2.2550

Previews

White Background



This preview shows how the XYZ color 32.7463, 43.9654, 77.2813 looks on a white background.

Color Contrast Check

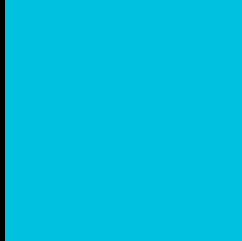
Large Text (above 18pt) WCAG AA × Fail

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 32.7463, 43.9654, 77.2813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

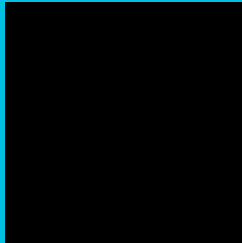
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7463, 43.9654, 77.2813

Background



This preview shows how black text looks on a background with the XYZ color 32.7463, 43.9654, 77.2813.

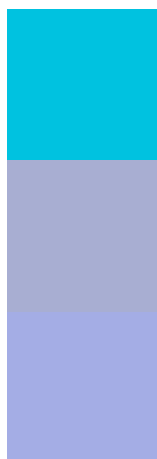


This preview shows how white text looks on a background with the XYZ color 32.7463, 43.9654,

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

32.7463, 43.9654, 77.2813

Protanopia

42.9174, 43.2501, 67.0589

Deuteranopia

44.3963, 43.4368, 80.1729



Tritanopia

31.2730, 43.7334, 68.4211

Trichromacy



Original Color

32.7463, 43.9654, 77.2813



Protanomaly

34.8530, 41.0798, 70.3822



Deuteranomaly

36.0979, 41.5369, 78.7879



Tritanomaly

31.9098, 43.9881, 71.7745

Monochromacy



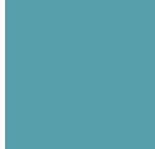
Original Color

32.7463, 43.9654, 77.2813



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.6783, 29.7733, 42.5290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7463, 43.9654, 77.2813 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, 194, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 224)  
}
```

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, 194, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 224) }
```

Border

The CSS property to change the border of an element to XYZ 32.7463, 43.9654, 77.2813 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, 194, 224) }
```


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

```
.border{ border-color:rgb(0, 194, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7463, 43.9654, 77.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 224) }
```

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

```
.background{ background-color: rgb(0, 194,  
224) }
```

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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