

Converting Colors

XYZ(44.4991, 64.5055, 90.3412)

Have a look what the booklet for
XYZ(44.4991, 64.5055, 90.3412)
contains.

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Color

**XYZ(44.4250, 64.3923,
90.2083)**

Conversions

Conversions Part 1

Format	Color
Hex	00E9ED
RGB	0, 233, 237
RGB Percent	0%, 91%, 93%
CMY	0.9997, 0.0863, 0.0706
CMYK	1.00, 0.02, 0.00, 0.07
HSL	181°, 100%, 46%
HSV	181°, 100%, 93%
XYZ	44.4250, 64.3923, 90.2083
YIQ	163.7890, -140.1520, -48.1520

Conversions

Conversions Part 2

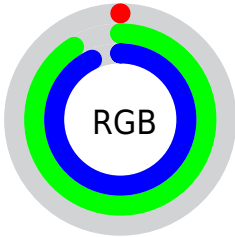
Format	Color
RYB	0, 117, 237
Decimal	59885
CIELab	84.17, -43.73, -15.14
CIELCh	84, 46.280, 199.090
Yxy	64.3923, 0.2232, 0.3235
Android (android.graphics.Color)	4278249965 (0xFF00E9ED)
YUV	163.7890, 36.0930, -143.6430
Hunter-Lab	80.2448, -41.6075, -10.4803

Details

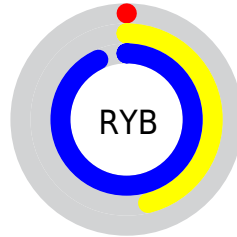
The XYZ color **44.4250, 64.3923, 90.2083** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.9700, 18.0931, 1.6510**, and the grayscale version is **35.0779, 36.9047, 40.1892**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.0626, 34.7805, 49.1611** is the 20% darker color. If you saturate the color by 10%, you get **44.4259, 64.3936, 90.2097**, and if you desaturate by 10%, it is **44.9106, 64.8123, 90.2650**.

Distribution



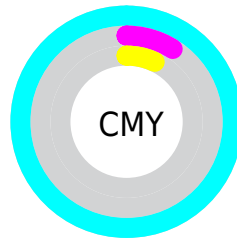
- Red (0%)
- Green (91%)
- Blue (93%)



- Red (0%)
- Yellow (46%)
- Blue (93%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4250, 64.3923, 90.2083 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 44.4250, 64.3923, 90.2083 by changing the saturation by 10% instead.

44.4250, 64.3923,
90.2083

44.4250, 64.3923,
90.2083

355.2628,
440.6049, 549.2958

31.2041, 46.9685,
67.5787

81.0993, 111.1757,
149.5657

20.9069, 33.0107,
49.0905

105.2834,
141.3041, 187.1307

13.1680, 22.1347,
34.3252

133.8526,
176.4362, 230.5112

7.6222, 13.9559,
22.8642

167.1723,
216.9562, 280.1258

3.9039, 8.0900,
14.2889

205.6078,
263.2488, 336.3930

1.6479, 4.1526,
8.1808

249.5244,

0.4233, 1.7593,

315.6981, 399.7314

4.1214

299.2877,
374.6887, 470.5595

■ 0.0000, 0.4616,
1.6922

■ 0.0000, 0.0000,
0.3554

■ 44.4250, 64.3923,
90.2083

■ 44.4250, 64.3923,
90.2083

■ 44.4259, 64.3936,
90.2097

■ 44.9106, 64.8123,
90.2650

■ 45.8470, 65.4636,
90.3413

■ 47.3776, 66.4217,
90.4456

■ 49.5864, 67.7298,
90.5817

■ 52.5437, 69.4242,
90.7528

■ 56.3110, 71.5365,
90.9620

■ 60.9437, 74.0952,
91.2117

■ 66.4920, 77.1264,
91.5044

■ 73.0024, 80.6540,
91.8421

Harmonies

Analogous

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



43.8408, 64.3923, 59.9761



44.4250, 64.3923, 90.2083



49.1982, 64.3923, 121.9164

Triad

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



44.4250, 64.3923, 90.2083



77.3135, 64.3923, 113.8797



65.0040, 64.3923, 28.0529

Complementary

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



44.4250, 64.3923, 90.2083



34.9700, 18.0931, 1.6510

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.



75.0171, 64.3923, 35.5604



44.4250, 64.3923, 90.2083



82.6329, 64.3923, 81.3306

Square

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



44.4250, 64.3923, 90.2083



67.8676, 64.3923, 138.0027



81.7486, 64.3923, 53.2471



54.9895, 64.3923, 29.1980

Rectangle

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



44.4250, 64.3923, 90.2083



54.4441, 64.3923, 137.0428



81.7486, 64.3923, 53.2471



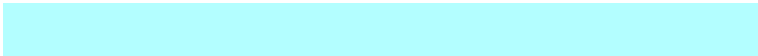
68.4992, 64.3923, 29.5409

Sweetspot

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



44.4270, 64.3947, 90.2099



71.8746, 87.4434, 107.6978



30.3074, 60.5785, 10.2107



14.8624, 18.4293, 23.0238



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.



44.4270, 64.3947, 90.2099



52.4526, 76.0252, 106.5175



21.3705, 18.2817, 82.5244



15.4946, 17.0757, 19.4015



24.2650, 35.1770, 49.2539



1.9124, 2.7762, 3.8699

Inverse Universe

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



49.6347, 23.8896, 79.0884



58.6048, 28.2059, 93.3720



41.9448, 32.0427, 3.9760



15.7032, 15.3091, 18.9884



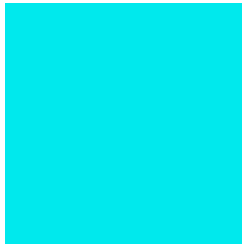
27.1031, 13.0439, 43.2060



2.1318, 1.0257, 3.4113

Previews

White Background



This preview shows how the XYZ color 44.4250, 64.3923, 90.2083 looks on a white background.

Color Contrast Check

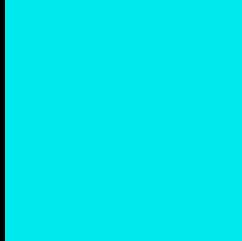
Large Text (above 18pt) WCAG AA × Fail

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 44.4250, 64.3923, 90.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

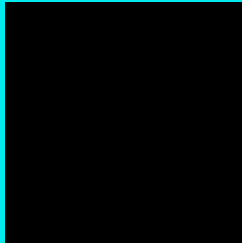
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.4250, 64.3923, 90.2083

Background



This preview shows how black text looks on a background with the XYZ color 44.4250, 64.3923, 90.2083.

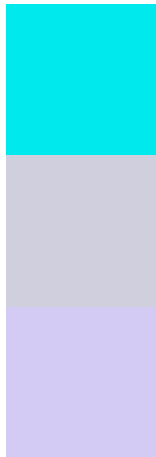


This preview shows how white text looks on a background with the XYZ color 44.4250, 64.3923,

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

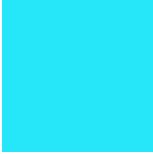
44.4250, 64.3923, 90.2083

Protanopia

61.3764, 63.2560, 77.3814

Deuteranopia

64.5490, 63.0924, 94.3639



Tritanopia

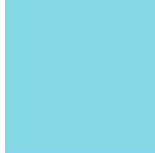
46.6306, 64.4660, 100.4280

Trichromacy



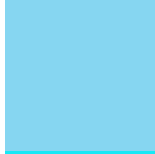
Original Color

44.4250, 64.3923, 90.2083



Protanomaly

47.9367, 59.5633, 81.6434



Deuteranomaly

49.7553, 59.5123, 92.0837



Tritanomaly

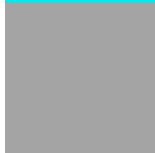
45.7147, 64.5000, 96.4265

Monochromacy



Original Color

44.4250, 64.3923, 90.2083



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3105, 43.0998, 55.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4250, 64.3923, 90.2083 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, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 237)  
}
```

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, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 237) }
```

Border

The CSS property to change the border of an element to XYZ 44.4250, 64.3923, 90.2083 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, 233, 237) }
```


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

```
.border{ border-color:rgb(0, 233, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4250, 64.3923, 90.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 237) }
```

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

```
.background{ background-color: rgb(0, 233,  
237) }
```

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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