

# Converting Colors

XYZ(44.3350, 64.4402, 79.0655)

Have a look what the booklet for  
XYZ(44.3350, 64.4402, 79.0655)  
contains.

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# Color

**XYZ(44.4381, 64.6417,  
79.2422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40E9DE
RGB	64, 233, 222
RGB Percent	25%, 91%, 87%
CMY	0.7490, 0.0863, 0.1294
CMYK	0.73, 0.00, 0.05, 0.09
HSL	176°, 79%, 58%
HSV	176°, 73%, 91%
XYZ	44.4381, 64.6417, 79.2422
YIQ	181.2150, -97.1930, -39.2490

# Conversions

## Conversions Part 2

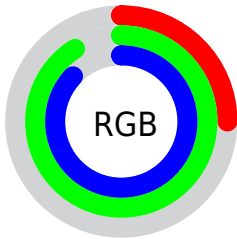
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 151, 233
Decimal	4254174
CIELab	84.30, -44.25, -6.97
CIELCh	84, 44.799, 188.951
Yxy	64.6417, 0.2360, 0.3433
Android (android.graphics.Color)	4282444254 (0xFF40E9DE)
YUV	181.2150, 20.1070, -102.7976
Hunter-Lab	80.4001, -42.0410, -2.1561

# Details

The XYZ color **44.4381, 64.6417, 79.2422** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **36.7099, 21.5005, 8.8741**, and the grayscale version is **43.9721, 46.2621, 50.3794**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **22.6972, 34.2343, 41.9708** is the 20% darker color. If you saturate the color by 10%, you get **43.0254, 63.9383, 78.1209**, and if you desaturate by 10%, it is **46.4889, 65.6768, 80.4058**.

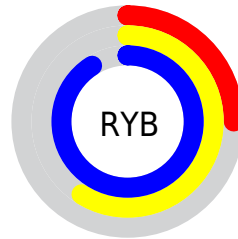
# Distribution



Red (25%)

Green (91%)

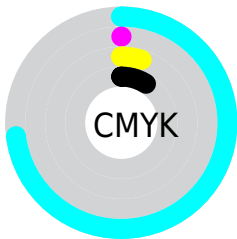
Blue (87%)



Red (25%)

Yellow (59%)

Blue (91%)

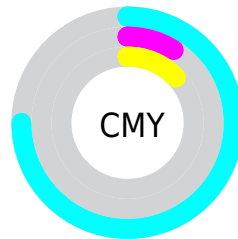


Cyan (73%)

Magenta (0%)

Yellow (5%)

Black (9%)



Cyan (75%)

Magenta (9%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4381, 64.6417, 79.2422 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 44.4381, 64.6417, 79.2422 by changing the saturation by 10% instead.




 44.4381, 64.6417,  
79.2422


 44.4381, 64.6417,  
79.2422


355.3152,  
441.5033, 512.0146

 31.2145, 47.1706,  
58.5725


 81.1188, 111.5346,  
134.1015


 20.9148, 33.1705,  
41.8513

 105.3067,  
141.7251, 169.1282

 13.1739, 22.2571,  
28.6602


 133.8799,  
176.9243, 209.7776

 7.6262, 14.0460,  
18.5805

 167.2040,  
217.5165, 256.4683

 3.9065, 8.1526,  
11.1938

205.6441,  
263.8861, 309.6188

 1.6494, 4.1928,  
6.0816

249.5658,

 0.4243, 1.7820,

316.4175, 369.6477

2.8251

299.3344,  
375.4951, 436.9734

■ 0.0000, 0.4759,  
1.0061

■ 0.0000, 0.0000,  
0.0000

■ 44.4381, 64.6417,  
79.2422

■ 44.4381, 64.6417,  
79.2422

■ 43.0254, 63.9383,  
78.1209

■ 46.4889, 65.6768,  
80.4058


■ 42.1604, 63.5155,  
77.0333


■ 49.2422, 67.0723,  
81.6105


■ 41.7731, 63.3331,  
76.2389


■ 52.7608, 68.8623,  
82.8605


■ 57.0993, 71.0746,  
84.1585

 62.3068, 73.7347,  
85.5069

 68.4290, 76.8661,  
86.9077

 75.5080, 80.4907,  
88.3630

 83.5837, 84.6287,  
89.8747

 85.4699, 85.5758,  
91.1065

# Harmonies

## Analogous

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



45.2829, 64.6417, 52.5084



44.4381, 64.6417, 79.2422



47.7512, 64.6417, 110.6759

# Triad

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



44.4381, 64.6417, 79.2422



74.2464, 64.6417, 122.0696



68.5586, 64.6417, 30.6811

# Complementary

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



44.4381, 64.6417, 79.2422



36.7099, 21.5005, 8.8741

# 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.



77.5229, 64.6417, 41.2924



44.4381, 64.6417, 79.2422



81.0448, 64.6417, 91.9153

# Square

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



44.4381, 64.6417, 79.2422



64.4599, 64.6417, 139.4255



82.3045, 64.6417, 62.2115



58.5159, 64.6417, 28.9975



# Rectangle

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



44.4381, 64.6417, 79.2422



52.1059, 64.6417, 128.4177



82.3045, 64.6417, 62.2115



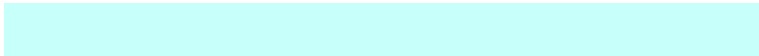
71.8271, 64.6417, 33.1519

# Sweetspot

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



44.4400, 64.6442, 79.2437



76.7541, 90.6354, 105.0035



32.9890, 60.1571, 14.7250



16.0297, 19.1959, 22.3771



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.



44.4400, 64.6442, 79.2437



52.2031, 78.1702, 95.2096



29.3551, 32.0369, 81.7299



15.4729, 17.1040, 19.1729



23.7202, 35.9426, 43.3532



1.8754, 2.8275, 3.4717



# Inverse Universe

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



36.7099, 21.5005, 8.8741



42.3132, 22.5661, 4.8780



43.5111, 35.6545, 9.4409



15.1052, 15.0699, 15.8395



19.1328, 9.8558, 1.2350

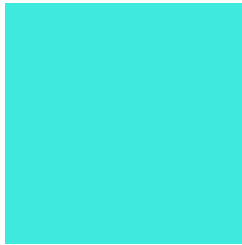


1.5164, 0.7795, 0.1707



# Previews

## White Background



This preview shows how the XYZ color 44.4381, 64.6417, 79.2422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

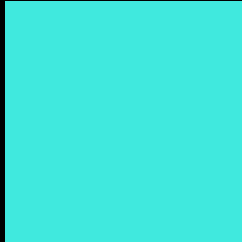
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4381, 64.6417, 79.2422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

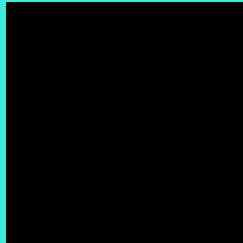
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

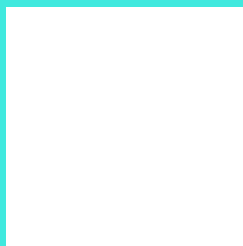
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.4381, 64.6417, 79.2422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4381, 64.6417, 79.2422.



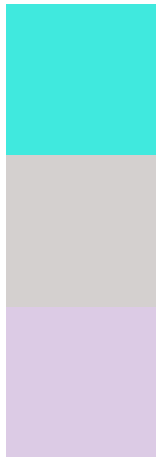
This preview shows how white text looks on a background with the XYZ color 44.4381, 64.6417,



# 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

44.4381, 64.6417, 79.2422

### Protanopia

60.9697, 63.6138, 68.0967

### Deuteranopia

65.0140, 63.5847, 82.9752



## Tritanopia

48.2709, 64.5214, 98.7167

# Trichromacy



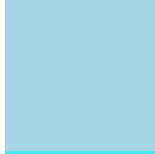
## Original Color

44.4381, 64.6417, 79.2422



## Protanomaly

50.7971, 61.6483, 71.5094



## Deuteranomaly

52.8783, 61.3707, 81.0102



## Tritanomaly

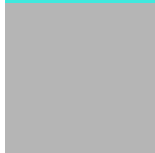
46.7008, 64.2815, 91.6075

# Monochromacy



## Original Color

44.4381, 64.6417, 79.2422



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.0993, 50.6973, 59.8440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4381, 64.6417, 79.2422 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(64, 233, 222)` looks like.

```
.text, #text, p{  
    color:rgb(64, 233, 222)  
}
```

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(64, 233, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 233, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4381, 64.6417, 79.2422 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(64, 233, 222) }
```



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

```
.border{ border-color:rgb(64, 233, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 233, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 233, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 233, 222);  
box-shadow:4px 4px 4px 4px rgb(64, 233,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4381, 64.6417, 79.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 233, 222) }
```

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

```
.background{ background-color: rgb(64, 233,  
222) }
```

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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