

# Converting Colors

XYZ(44.8281, 61.1591, 79.5483)

Have a look what the booklet for  
XYZ(44.8281, 61.1591, 79.5483)  
contains.

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# Color

**XYZ(44.7988, 61.1258,  
79.2494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60E0DF
RGB	96, 224, 223
RGB Percent	38%, 88%, 87%
CMY	0.6235, 0.1216, 0.1255
CMYK	0.57, 0.00, 0.00, 0.12
HSL	180°, 67%, 63%
HSV	180°, 57%, 88%
XYZ	44.7988, 61.1258, 79.2494
YIQ	185.6140, -75.9670, -27.4470

# Conversions

## Conversions Part 2

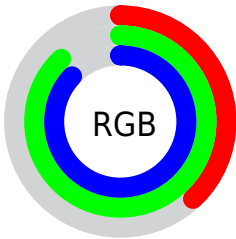
Format	Color
<b>RYB</b>	96, 160, 224
Decimal	6349023
CIELab	82.45, -35.22, -10.17
CIELCh	82, 36.660, 196.105
Yxy	61.1258, 0.2419, 0.3301
Android (android.graphics.Color)	4284539103 (0xFF60E0DF)
YUV	185.6140, 18.4313, -78.5915
Hunter-Lab	78.1830, -34.5399, -5.3706

# Details

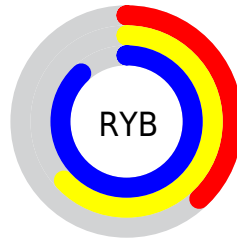
The XYZ color **44.7988, 61.1258, 79.2494** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **37.0831, 25.0780, 14.1973**, and the grayscale version is **46.3888, 48.8046, 53.1482**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.0955, 30.8453, 41.8877** is the 20% darker color. If you saturate the color by 10%, you get **42.7463, 60.0718, 79.0313**, and if you desaturate by 10%, it is **47.5263, 62.5305, 79.5019**.

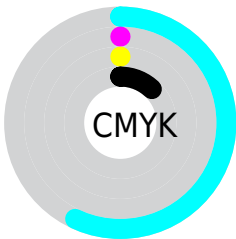
# Distribution



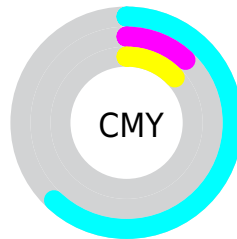
- Red (38%)
- Green (88%)
- Blue (87%)



- Red (38%)
- Yellow (63%)
- Blue (88%)



- Cyan (57%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (62%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7988, 61.1258, 79.2494 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 44.7988, 61.1258, 79.2494 by changing the saturation by 10% instead.



44.7988, 61.1258,  
79.2494

44.7988, 61.1258,  
79.2494

356.7555,  
428.7351, 512.0396

31.4996, 44.3267,  
58.5784

81.6573, 106.4611,  
134.1118

21.1333, 30.9274,  
41.8560

105.9474,  
135.7660, 169.1401

13.3345, 20.5436,  
28.6638

134.6317,  
170.0084, 209.7914

7.7378, 12.7908,  
18.5833

168.0757,  
209.5725, 256.4841

3.9780, 7.2846,  
11.1958

206.6447,  
254.8429, 309.6367

1.6897, 3.6407,  
6.0829

250.7041,

0.4498, 1.4747,

306.2039, 369.6678

2.8259

300.6193,  
364.0398, 436.9959

■ 0.0000, 0.2708,  
1.0065

■ 0.0000, 0.0000,  
0.0000

■ 44.7988, 61.1258,  
79.2494

■ 44.7988, 61.1258,  
79.2494

■ 42.7463, 60.0718,  
79.0313

■ 47.5263, 62.5305,  
79.5019

■ 41.3045, 59.3313,  
78.8406


■ 50.9752, 64.3058,  
79.7869


■ 40.4065, 58.8711,  
78.6755


■ 55.1939, 66.4779,  
80.1081


■ 39.9619, 58.6446,  
78.5317


■ 60.2254, 69.0689,  
80.4674


 39.8750, 58.6006,  
78.4925

 66.1093, 72.0995,  
80.8668

 72.8828, 75.5886,  
81.3079

 80.5806, 79.5542,  
81.7924

 81.4061, 79.9770,  
81.9554

 81.4299, 79.9865,  
82.0810

# Harmonies

## Analogous

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



44.6725, 61.1258, 56.7273



44.7988, 61.1258, 79.2494



48.2708, 61.1258, 102.7196

# Triad

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



44.7988, 61.1258, 79.2494



69.6387, 61.1258, 101.1569



61.7899, 61.1258, 32.8564

# Complementary

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



44.7988, 61.1258, 79.2494



37.0831, 25.0780, 14.1973

# 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.



69.1764, 61.1258, 40.0651



44.7988, 61.1258, 79.2494



73.9757, 61.1258, 77.4582

# Square

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



44.7988, 61.1258, 79.2494



62.3762, 61.1258, 117.1803



73.7993, 61.1258, 55.2953



54.0205, 61.1258, 33.1260



# Rectangle

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



44.7988, 61.1258, 79.2494



52.2098, 61.1258, 114.2828



73.7993, 61.1258, 55.2953



64.4136, 61.1258, 34.4005

# Sweetspot

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



44.8006, 61.1281, 79.2508



80.8060, 92.6632, 107.9485



33.8203, 56.7623, 20.2415



16.9840, 19.6732, 23.0836



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.



44.8006, 61.1281, 79.2508



56.8176, 80.3160, 105.9574



31.2242, 33.7585, 75.3939



14.1117, 15.5704, 17.6236



23.2115, 34.1094, 45.6982



1.6104, 2.3649, 3.1756



# Inverse Universe

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



37.0831, 25.0780, 14.1973



45.5034, 27.4447, 10.5715



45.0581, 41.1024, 16.6266



13.7116, 13.7023, 14.2515



17.9007, 9.2273, 0.8771

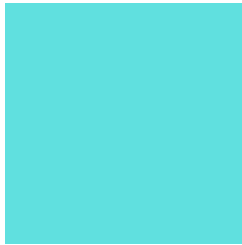


1.2423, 0.6402, 0.0690



# Previews

## White Background



This preview shows how the XYZ color 44.7988, 61.1258, 79.2494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

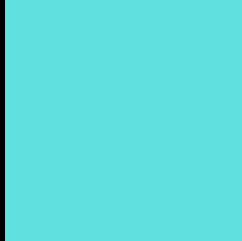
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7988, 61.1258, 79.2494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

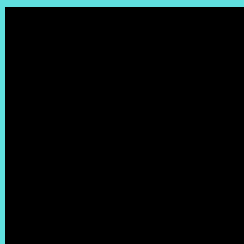
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

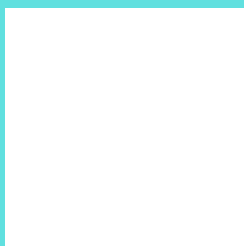
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.7988, 61.1258, 79.2494**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7988, 61.1258, 79.2494.



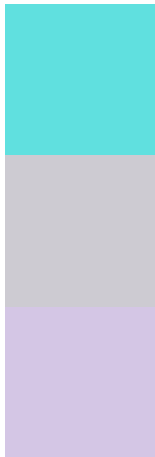
This preview shows how white text looks on a background with the XYZ color 44.7988, 61.1258,



# 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

44.7988, 61.1258, 79.2494

### Protanopia

58.1656, 60.3442, 69.5547

### Deuteranopia

61.4883, 60.0424, 82.4773



## Tritanopia

47.0300, 60.8285, 90.9237

# Trichromacy



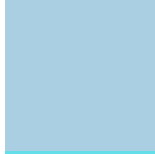
## Original Color

44.7988, 61.1258, 79.2494



## Protanomaly

51.0771, 59.4942, 73.0815



## Deuteranomaly

52.7555, 58.7177, 81.2262



## Tritanomaly

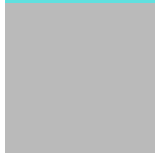
46.0848, 60.8351, 86.4042

# Monochromacy



## Original Color

44.7988, 61.1258, 79.2494



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.0999, 52.2044, 61.7850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7988, 61.1258, 79.2494 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(96, 224, 223)` looks like.

```
.text, #text, p{  
    color:rgb(96, 224, 223)  
}
```

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(96, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 224, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7988, 61.1258, 79.2494 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(96, 224, 223) }
```



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

```
.border{ border-color:rgb(96, 224, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 224, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(96, 224,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7988, 61.1258, 79.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 224, 223) }
```

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

```
.background{ background-color: rgb(96, 224,  
223) }
```

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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