

# Converting Colors

XYZ(41.2780, 60.3828, 82.1163)

Have a look what the booklet for  
XYZ(41.2780, 60.3828, 82.1163)  
contains.

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# Color

**XYZ(41.3342, 60.4842,  
82.1691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E3E3
RGB	0, 227, 227
RGB Percent	0%, 89%, 89%
CMY	0.9998, 0.1098, 0.1098
CMYK	1.00, 0.00, 0.00, 0.11
HSL	180°, 100%, 45%
HSV	180°, 100%, 89%
XYZ	41.3342, 60.4842, 82.1691
YIQ	159.1270, -135.2920, -48.1240

# Conversions

## Conversions Part 2

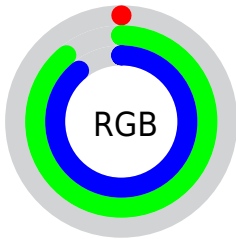
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 227
Decimal	58339
CIELab	82.10, -44.03, -12.95
CIELCh	82, 45.897, 196.386
Yxy	60.4842, 0.2247, 0.3287
Android (android.graphics.Color)	4278248419 (0xFF00E3E3)
YUV	159.1270, 33.4614, -139.5544
Hunter-Lab	77.7716, -41.2307, -8.2024

# Details

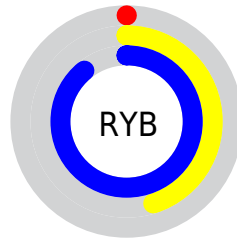
The XYZ color **41.3342, 60.4842, 82.1691** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.6805, 16.3328, 1.4845**, and the grayscale version is **32.9175, 34.6318, 37.7140**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **22.0093, 32.1044, 44.0665** is the 20% darker color. If you saturate the color by 10%, you get **41.3353, 60.4861, 82.1705**, and if you desaturate by 10%, it is **41.6832, 60.6654, 82.1869**.

# Distribution



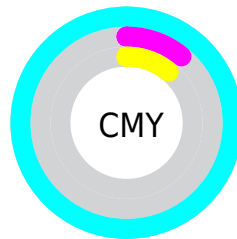
- Red (0%)
- Green (89%)
- Blue (89%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3342, 60.4842, 82.1691 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 41.3342, 60.4842, 82.1691 by changing the saturation by 10% instead.



41.3342, 60.4842,  
82.1691

41.3342, 60.4842,  
82.1691

342.7542,  
426.3802, 522.1114

28.7691, 43.8090,  
60.9683

76.4625, 105.5317,  
138.2499

19.0496, 30.5204,  
43.7692

99.7564, 134.6729,  
173.9670

11.8104, 20.2339,  
30.1532

127.3573,  
168.7382, 215.3600

6.6860, 12.5652,  
19.7019

159.6306,  
208.1120, 262.8473

3.3111, 7.1298,  
11.9966

196.9415,  
253.1787, 316.8476

1.3203, 3.5434,  
6.6189

239.6556,

0.1984, 1.4216,

304.3227, 377.7794

3.1501

288.1380,  
361.9284, 446.0611

■ 0.0000, 0.2326,  
1.1718

■ 0.0000, 0.0000,  
0.0000

■ 41.3342, 60.4842,  
82.1691

■ 41.3342, 60.4842,  
82.1691

■ 41.3353, 60.4861,  
82.1705

■ 41.6832, 60.6654,  
82.1869

■ 42.4379, 61.0544,  
82.2224

■ 43.7304, 61.7208,  
82.2830

■ 45.6360, 62.7031,  
82.3723

■ 48.2178, 64.0341,  
82.4932

■ 51.5312, 65.7422,  
82.6484

■ 55.6258, 67.8531,  
82.8402

■ 60.5470, 70.3900,  
83.0706

■ 66.3366, 73.3747,  
83.3417

# Harmonies

## Analogous

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



41.1463, 60.4842, 54.0269



41.3342, 60.4842, 82.1691



45.5183, 60.4842, 112.7980

# Triad

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



41.3342, 60.4842, 82.1691



72.1347, 60.4842, 110.1924



62.0081, 60.4842, 26.2850

# Complementary

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



41.3342, 60.4842, 82.1691



31.6805, 16.3328, 1.4845

# 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.



71.3922, 60.4842, 34.1678



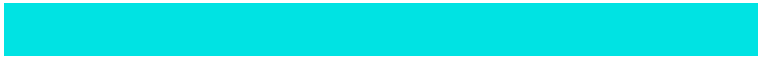
41.3342, 60.4842, 82.1691



77.6692, 60.4842, 79.2991

# Square

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



41.3342, 60.4842, 82.1691



62.9329, 60.4842, 131.8439



77.3830, 60.4842, 51.8606



52.3674, 60.4842, 26.6506



# Rectangle

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



41.3342, 60.4842, 82.1691



50.3111, 60.4842, 128.2062



77.3830, 60.4842, 51.8606



65.3177, 60.4842, 27.9353

# Sweetspot

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



41.3360, 60.4864, 82.1706



72.2850, 88.2642, 107.8341



27.5184, 54.9648, 9.1606



14.9625, 18.6295, 23.0571



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.



41.3360, 60.4864, 82.1706



53.8097, 78.7399, 106.9684



20.2642, 18.3423, 75.1478



14.8075, 16.3364, 18.5171



24.1061, 35.2746, 47.9206



1.7814, 2.6067, 3.5412



# Inverse Universe

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



31.6805, 16.3328, 1.4845



41.2400, 21.2600, 1.9301



37.2287, 27.4292, 3.3339



14.3771, 14.3680, 14.9200



18.4750, 9.5242, 0.8647

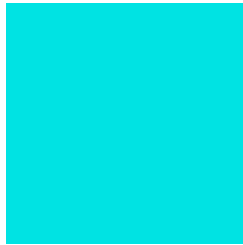


1.3652, 0.7038, 0.0639



# Previews

## White Background



This preview shows how the XYZ color 41.3342, 60.4842, 82.1691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

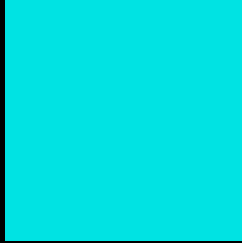
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3342, 60.4842, 82.1691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

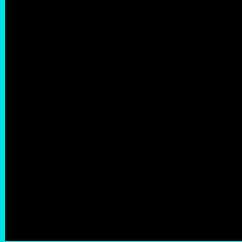
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

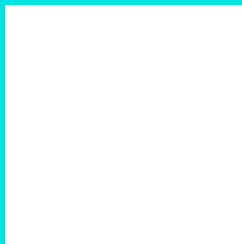
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.3342, 60.4842, 82.1691

## Background



This preview shows how black text looks on a background with the XYZ color 41.3342, 60.4842, 82.1691.



This preview shows how white text looks on a background with the XYZ color 41.3342, 60.4842,



# 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

41.3342, 60.4842, 82.1691

### Protanopia

57.5464, 59.3138, 70.0437

### Deuteranopia

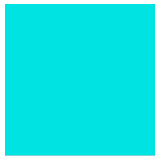
60.5497, 59.1384, 86.0654



## Tritanopia

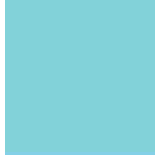
44.0173, 60.7929, 94.2083

# Trichromacy



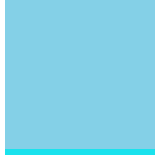
## Original Color

41.3342, 60.4842, 82.1691



## Protanomaly

44.7769, 55.8488, 74.0655



## Deuteranomaly

46.4954, 55.7868, 83.9187



## Tritanomaly

42.9084, 60.7267, 89.5807

# Monochromacy



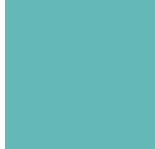
## Original Color

41.3342, 60.4842, 82.1691



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

31.1590, 40.5084, 51.5240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3342, 60.4842, 82.1691 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, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 227)  
}
```

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, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3342, 60.4842, 82.1691 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, 227, 227) }
```



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

```
.border{ border-color:rgb(0, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3342, 60.4842, 82.1691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 227) }
```

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

```
.background{ background-color: rgb(0, 227,  
227) }
```

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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