

# Converting Colors

XYZ(40.2044, 61.1957, 70.0482)

Have a look what the booklet for  
XYZ(40.2044, 61.1957, 70.0482)  
contains.

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# Color

**XYZ(40.3409, 61.4731,  
70.0609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1EE6D1
RGB	30, 230, 209
RGB Percent	12%, 90%, 82%
CMY	0.8823, 0.0980, 0.1804
CMYK	0.87, 0.00, 0.09, 0.10
HSL	174°, 80%, 51%
HSV	174°, 87%, 90%
XYZ	40.3409, 61.4731, 70.0609
YIQ	167.8060, -112.4590, -48.9310

# Conversions

## Conversions Part 2

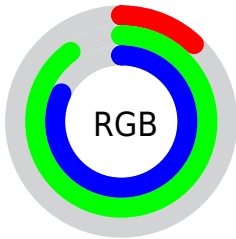
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 136, 230
Decimal	2025169
CIELab	82.63, -49.38, -2.61
CIELCh	83, 49.453, 183.023
Yxy	61.4731, 0.2347, 0.3577
Android (android.graphics.Color)	4280215249 (0xFF1EE6D1)
YUV	167.8060, 20.3086, -120.8559
Hunter-Lab	78.4048, -45.3664, 1.9030

# Details

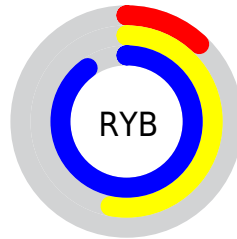
The XYZ color **40.3409, 61.4731, 70.0609** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **33.6972, 17.9925, 4.8316**, and the grayscale version is **37.0714, 39.0020, 42.4732**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **20.8600, 32.2537, 36.1365** is the 20% darker color. If you saturate the color by 10%, you get **39.5976, 61.1256, 68.4780**, and if you desaturate by 10%, it is **41.5774, 62.0772, 71.6933**.

# Distribution



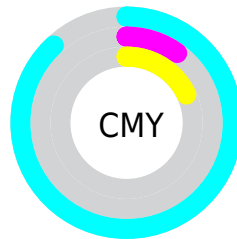
- Red (12%)
- Green (90%)
- Blue (82%)



- Red (12%)
- Yellow (53%)
- Blue (90%)



- Cyan (87%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (88%)
- Magenta (10%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3409, 61.4731, 70.0609 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 40.3409, 61.4731, 70.0609 by changing the saturation by 10% instead.





 40.3409, 61.4731,  
70.0609


 40.3409, 61.4731,  
70.0609


338.6682,  
430.0065, 479.5587


 27.9898, 44.6071,  
51.0991


 74.9634, 106.9637,  
120.9775


 18.4584, 31.1481,  
35.9102


 97.9655, 136.3570,  
153.7694


 11.3813, 20.7116,  
24.0757


 125.2487,  
170.6949, 192.0084

 6.3931, 12.9134,  
15.1771

 157.1783,  
210.3617, 236.1130

 3.1285, 7.3689,  
8.7957

 194.1197,  
255.7419, 286.5018

 1.2221, 3.6939,  
4.5132

236.4383,

 0.1237, 1.5038,

307.2198, 343.5933

1.9109

284.4993,  
365.1799, 407.8061

■ 0.0000, 0.2914,  
0.4997

■ 0.0000, 0.0000,  
0.0000

■ 40.3409, 61.4731,  
70.0609

■ 40.3409, 61.4731,  
70.0609

■ 39.5976, 61.1256,  
68.4780


■ 41.5774, 62.0772,  
71.6933


■ 39.4200, 61.0444,  
68.0013


■ 43.3963, 62.9795,  
73.3753


■ 45.8727, 64.2202,  
75.1120


■ 49.0691, 65.8316,  
76.9064

 53.0408, 67.8422,  
78.7611

 57.8376, 70.2775,  
80.6787

 63.5050, 73.1612,  
82.6612

 70.0856, 76.5150,  
84.7109

 77.6186, 80.3594,  
86.8296

# Harmonies

## Analogous

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



42.0761, 61.4731, 43.7854



40.3409, 61.4731, 70.0609



42.9460, 61.4731, 104.0668

# Triad

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



40.3409, 61.4731, 70.0609



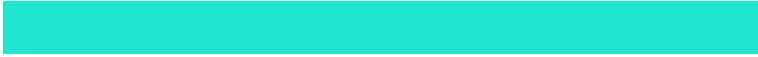
70.2594, 61.4731, 128.8017



68.1742, 61.4731, 27.2156

# Complementary

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



40.3409, 61.4731, 70.0609



33.6972, 17.9925, 4.8316

# 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.



77.2453, 61.4731, 39.8875



40.3409, 61.4731, 70.0609



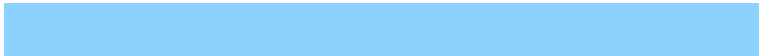
78.5479, 61.4731, 97.0709

# Square

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



40.3409, 61.4731, 70.0609



59.5103, 61.4731, 143.8190



81.2460, 61.4731, 63.9011



57.3596, 61.4731, 23.9160



# Rectangle

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



40.3409, 61.4731, 70.0609



47.0024, 61.4731, 125.2598



81.2460, 61.4731, 63.9011



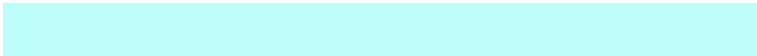
71.5704, 61.4731, 30.2825

# Sweetspot

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



40.3427, 61.4754, 70.0624



73.6210, 89.0801, 102.1512



30.0193, 57.4559, 10.7377



15.2733, 18.8205, 21.6814



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.



40.3427, 61.4754, 70.0624



49.7942, 77.1337, 85.8230



26.2671, 28.8850, 79.0564



14.7388, 16.3089, 18.1552



22.3437, 34.5696, 38.6400



1.6700, 2.5621, 2.9547



# Inverse Universe

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



33.6972, 17.9925, 4.8316



41.4353, 21.3381, 2.9584



38.0935, 27.3666, 4.5043



14.4382, 14.3925, 15.2420



18.5904, 9.5704, 1.4722

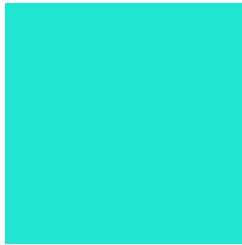


1.3946, 0.7155, 0.2184



# Previews

## White Background



This preview shows how the XYZ color 40.3409, 61.4731, 70.0609 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 40.3409, 61.4731, 70.0609 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

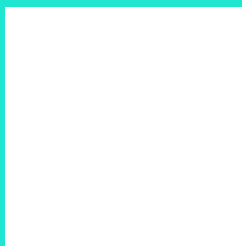
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.3409, 61.4731, 70.0609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3409, 61.4731, 70.0609.



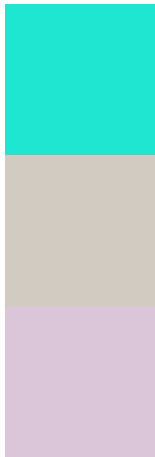
This preview shows how white text looks on a background with the XYZ color 40.3409, 61.4731,



# 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

40.3409, 61.4731, 70.0609

### Protanopia

57.6719, 60.3086, 59.6400

### Deuteranopia

61.5022, 60.2515, 73.3539



## Tritanopia

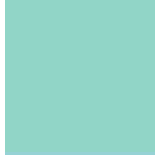
45.1528, 61.3783, 94.2614

# Trichromacy



## Original Color

40.3409, 61.4731, 70.0609



## Protanomaly

45.7801, 57.7318, 62.7633



## Deuteranomaly

47.6345, 57.3813, 71.5159



## Tritanomaly

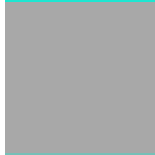
43.2581, 61.4115, 85.1750

# Monochromacy



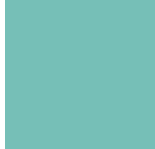
## Original Color

40.3409, 61.4731, 70.0609



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

34.6493, 44.5321, 51.5691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3409, 61.4731, 70.0609 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(30, 230, 209)` looks like.

```
.text, #text, p{  
    color:rgb(30, 230, 209)  
}
```

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(30, 230, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 230, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3409, 61.4731, 70.0609 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(30, 230, 209) }
```



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

```
.border{ border-color:rgb(30, 230, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 230, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(30, 230,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3409, 61.4731, 70.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 230, 209) }
```

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

```
.background{ background-color: rgb(30, 230,  
209) }
```

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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