

# Converting Colors

XYZ(40.4836, 61.2327, 65.5625)

Have a look what the booklet for  
XYZ(40.4836, 61.2327, 65.5625)  
contains.

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# Color

**XYZ(40.4836, 61.2327,  
65.5625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BE5CA
RGB	59, 229, 202
RGB Percent	23%, 90%, 79%
CMY	0.7686, 0.1019, 0.2078
CMYK	0.74, 0.00, 0.12, 0.10
HSL	170°, 77%, 56%
HSV	170°, 74%, 90%
XYZ	40.4836, 61.2327, 65.5625
YIQ	175.0920, -92.6530, -44.4370

# Conversions

## Conversions Part 2

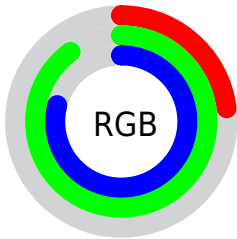
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 151, 229
Decimal	3925450
CIELab	82.50, -48.39, 0.95
CIELCh	83, 48.396, 178.878
Yxy	61.2327, 0.2420, 0.3661
Android (android.graphics.Color)	4282115530 (0xFF3BE5CA)
YUV	175.0920, 13.2656, -101.8127
Hunter-Lab	78.2513, -44.5922, 5.1001

# Details

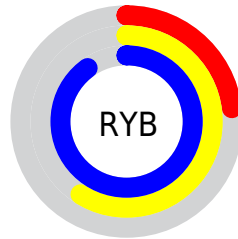
The XYZ color **40.4836, 61.2327, 65.5625** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **35.5588, 20.4595, 10.8813**, and the grayscale version is **40.7651, 42.8881, 46.7051**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **20.2889, 32.0253, 33.1291** is the 20% darker color. If you saturate the color by 10%, you get **38.9868, 60.5117, 63.2717**, and if you desaturate by 10%, it is **42.5889, 62.2691, 67.9375**.

# Distribution



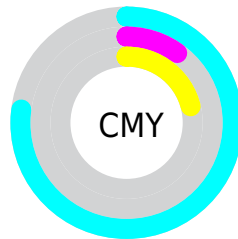
- Red (23%)
- Green (90%)
- Blue (79%)



- Red (23%)
- Yellow (59%)
- Blue (90%)



- Cyan (74%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)




- Cyan (77%)
- Magenta (10%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4836, 61.2327, 65.5625 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 40.4836, 61.2327, 65.5625 by changing the saturation by 10% instead.





 40.4836, 61.2327,  
65.5625


 40.4836, 61.2327,  
65.5625

339.2572,  
429.1267, 463.1720


 28.1017, 44.4130,  
47.4631


 75.1790, 106.6158,  
114.4792


 18.5432, 30.9953,  
33.0449


 98.2233, 135.9480,  
146.1335

 11.4427, 20.5953,  
21.8895


 125.5523,  
170.2198, 183.1433

 6.4349, 12.8285,  
13.5782

 157.5315,  
209.8156, 225.9270

 3.1544, 7.3106,  
7.6925

194.5263,  
255.1198, 274.9032

 1.2360, 3.6571,  
3.8139

236.9019,

 0.1345, 1.4836,

306.5167, 330.4904

1.5238

285.0238,  
364.3909, 393.1072

■ 0.0000, 0.2772,  
0.2356

■ 0.0000, 0.0000,  
0.0000

■ 40.4836, 61.2327,  
65.5625

■ 40.4836, 61.2327,  
65.5625

■ 38.9868, 60.5117,  
63.2717

■ 42.5889, 62.2691,  
67.9375


■ 38.0088, 60.0556,  
61.0566


■ 45.3666, 63.6495,  
70.3959

■ 37.6046, 59.8743,  
59.8102


■ 48.8782, 65.4071,  
72.9424


■ 53.1767, 67.5692,  
75.5798

 58.3104, 70.1605,  
78.3106

 64.3234, 73.2040,  
81.1374

 71.2568, 76.7208,  
84.0623

 79.1492, 80.7306,  
87.0875

 84.2180, 83.2837,  
90.0364

# Harmonies

## Analogous

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



42.7711, 61.2327, 41.3388



40.4836, 61.2327, 65.5625



42.4546, 61.2327, 98.1605

# Triad

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



40.4836, 61.2327, 65.5625



68.3501, 61.2327, 130.0699



69.1040, 61.2327, 28.8139

# Complementary

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



40.4836, 61.2327, 65.5625



35.5588, 20.4595, 10.8813

# 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.



77.4237, 61.2327, 42.7600



40.4836, 61.2327, 65.5625



76.9535, 61.2327, 100.6828

# Square

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



40.4836, 61.2327, 65.5625



57.8111, 61.2327, 141.4347



80.4512, 61.2327, 67.7939



58.5903, 61.2327, 24.3801

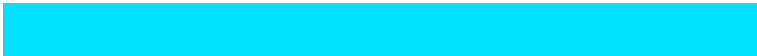


# Rectangle

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



40.4836, 61.2327, 65.5625



46.0681, 61.2327, 119.4846



80.4512, 61.2327, 67.7939



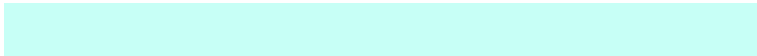
72.2939, 61.2327, 32.2931

# Sweetspot

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



40.4854, 61.2351, 65.5639



75.9349, 90.3077, 100.6894



32.7724, 58.3992, 13.6838



15.8336, 19.1174, 21.3441



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.



40.4854, 61.2351, 65.5639



49.0200, 76.8795, 79.2399



30.7646, 36.2216, 79.5014



14.7039, 16.2950, 17.9716



21.5369, 34.2469, 34.3915



1.6180, 2.5413, 2.6811



# Inverse Universe

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



35.5588, 20.4595, 10.8813



42.5847, 22.4642, 6.9568



39.3118, 29.3902, 7.7398



14.4699, 14.4051, 15.4088



18.6889, 9.6098, 1.9907

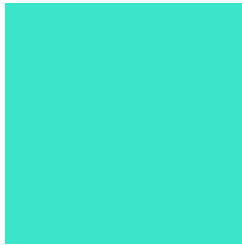


1.4096, 0.7216, 0.2976



# Previews

## White Background



This preview shows how the XYZ color 40.4836, 61.2327, 65.5625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

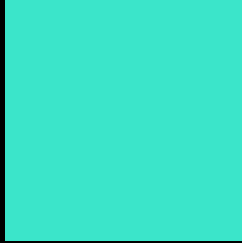
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.4836, 61.2327, 65.5625 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

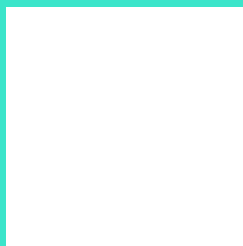
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.4836, 61.2327, 65.5625**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4836, 61.2327, 65.5625.



This preview shows how white text looks on a background with the XYZ color 40.4836, 61.2327,



# 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

40.4836, 61.2327, 65.5625

### Protanopia

57.2970, 60.1916, 56.1752

### Deuteranopia

61.2937, 59.9081, 68.6545



## Tritanopia

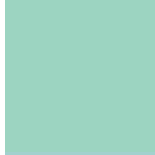
45.7445, 60.9201, 92.5668

# Trichromacy



## Original Color

40.4836, 61.2327, 65.5625



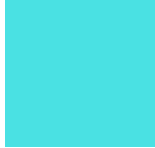
## Protanomaly

46.8794, 58.0051, 59.1774



## Deuteranomaly

48.8413, 57.7385, 66.9630



## Tritanomaly

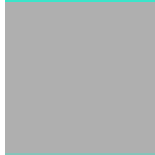
43.6144, 60.8523, 82.1200

# Monochromacy



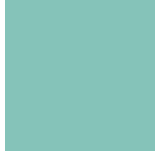
## Original Color

40.4836, 61.2327, 65.5625



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

37.9449, 47.5195, 53.0712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4836, 61.2327, 65.5625 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(59, 229, 202)` looks like.

```
.text, #text, p{  
    color:rgb(59, 229, 202)  
}
```

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(59, 229, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 229, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4836, 61.2327, 65.5625 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(59, 229, 202) }
```



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

```
.border{ border-color:rgb(59, 229, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 229, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 229, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 229, 202);  
box-shadow:4px 4px 4px 4px rgb(59, 229,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4836, 61.2327, 65.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 229, 202) }
```

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

```
.background{ background-color: rgb(59, 229,  
202) }
```

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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