

Converting Colors

XYZ(40.0972, 60.5877, 63.6395)

Have a look what the booklet for
XYZ(40.0972, 60.5877, 63.6395)
contains.

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Color

**XYZ(40.1666, 60.7003,
63.6322)**

Conversions

Conversions Part 1

Format	Color
Hex	40E4C7
RGB	64, 228, 199
RGB Percent	25%, 89%, 78%
CMY	0.7490, 0.1059, 0.2196
CMYK	0.72, 0.00, 0.13, 0.11
HSL	169°, 75%, 57%
HSV	169°, 72%, 89%
XYZ	40.1666, 60.7003, 63.6322
YIQ	175.6580, -88.4350, -43.7870

Conversions

Conversions Part 2

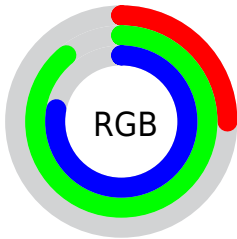
Format	Color
RYB	64, 154, 228
Decimal	4252871
CIELab	82.22, -48.14, 2.13
CIELCh	82, 48.184, 177.469
Yxy	60.7003, 0.2442, 0.3690
Android (android.graphics.Color)	4282442951 (0xFF40E4C7)
YUV	175.6580, 11.5076, -97.9241
Hunter-Lab	77.9104, -44.3178, 6.1130

Details

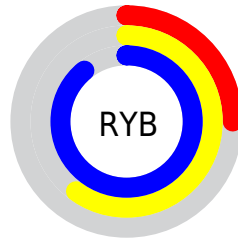
The XYZ color **40.1666, 60.7003, 63.6322** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **35.8062, 20.9529, 12.5155**, and the grayscale version is **41.0659, 43.2045, 47.0498**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **19.8634, 31.5494, 31.8308** is the 20% darker color. If you saturate the color by 10%, you get **38.5141, 59.9032, 61.1444**, and if you desaturate by 10%, it is **42.4406, 61.8192, 66.2166**.

Distribution



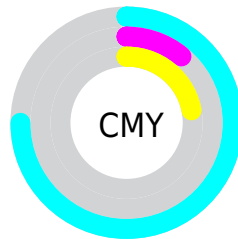
- Red (25%)
- Green (89%)
- Blue (78%)



- Red (25%)
- Yellow (60%)
- Blue (89%)



- Cyan (72%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (75%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1666, 60.7003, 63.6322 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 40.1666, 60.7003, 63.6322 by changing the saturation by 10% instead.


 40.1666, 60.7003,
63.6322


 40.1666, 60.7003,
63.6322


337.9477,
427.1743, 456.0312

 27.8533, 43.9833,
45.9086


 74.6999, 105.8449,
111.6754

 18.3550, 30.6574,
31.8255


 97.6505, 135.0413,
142.8321

 11.3064, 20.3381,
20.9646


 124.8776,
169.1663, 179.3036

 6.3421, 12.6411,
12.9071

 156.7465,
208.6043, 221.5083

 3.0968, 7.1819,
7.2346

193.6226,
253.7397, 269.8649

 1.2052, 3.5761,
3.5286

235.8713,

 0.1104, 1.4394,

304.9569, 324.7919

1.3705

283.8579,
362.6403, 386.7078

■ 0.0000, 0.2455,
0.1185

■ 0.0000, 0.0000,
0.0000

■ 40.1666, 60.7003,
63.6322

■ 40.1666, 60.7003,
63.6322

■ 38.5141, 59.9032,
61.1444

■ 42.4406, 61.8192,
66.2166


■ 37.3986, 59.3802,
58.7446


■ 45.3969, 63.2870,
68.8968


■ 36.7872, 59.1059,
56.8672


■ 49.0946, 65.1355,
71.6775


■ 53.5849, 67.3912,
74.5614

 58.9145, 70.0780,
77.5514

 65.1266, 73.2183,
80.6497

 72.2610, 76.8326,
83.8589

 80.3555, 80.9403,
87.1811

 84.0219, 82.7637,
90.3645

Harmonies

Analogous

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



42.6280, 60.7003, 40.1590



40.1666, 60.7003, 63.6322



41.9210, 60.7003, 95.6810

Triad

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



40.1666, 60.7003, 63.6322



67.2659, 60.7003, 129.8500



68.9488, 60.7003, 29.0250

Complementary

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



40.1666, 60.7003, 63.6322



35.8062, 20.9529, 12.5155

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.



76.9967, 60.7003, 43.3348



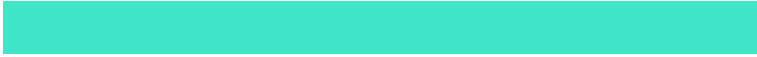
40.1666, 60.7003, 63.6322



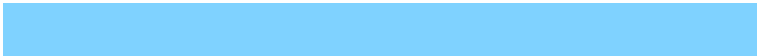
75.9471, 60.7003, 101.3100

Square

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



40.1666, 60.7003, 63.6322



56.8283, 60.7003, 139.9944



79.6965, 60.7003, 68.6150



58.5681, 60.7003, 24.2334

Rectangle

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



40.1666, 60.7003, 63.6322



45.3756, 60.7003, 116.9937



79.6965, 60.7003, 68.6150



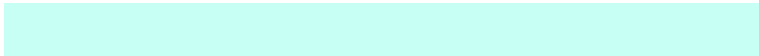
72.0611, 60.7003, 32.6257

Sweetspot

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



40.1683, 60.7026, 63.6336



75.7802, 90.2458, 99.8746



33.2938, 58.2427, 14.3390



15.7966, 19.1026, 21.1494



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.



40.1683, 60.7026, 63.6336



48.9000, 76.8588, 77.3714



31.6585, 37.7708, 79.0233



14.6923, 16.2904, 17.9105



21.2813, 34.1446, 33.0452



1.6014, 2.5347, 2.5935

Inverse Universe

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



35.8062, 20.9529, 12.5155



43.1142, 23.0046, 8.7320



39.1602, 29.3419, 8.4514



14.4805, 14.4094, 15.4648



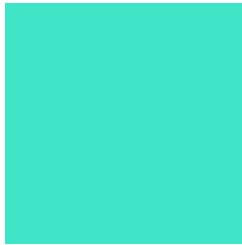
18.7299, 9.6262, 2.2067



1.4147, 0.7236, 0.3241

Previews

White Background



This preview shows how the XYZ color 40.1666, 60.7003, 63.6322 looks on a white background.

Color Contrast Check

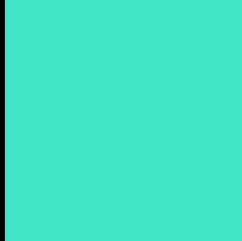
Large Text (above 18pt) WCAG AA × Fail

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 40.1666, 60.7003, 63.6322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

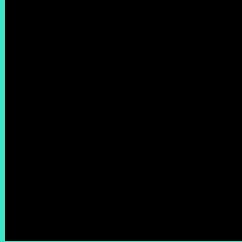
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

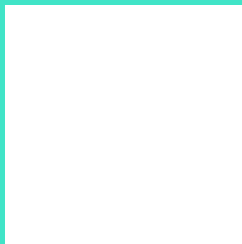
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1666, 60.7003, 63.6322

Background



This preview shows how black text looks on a background with the XYZ color 40.1666, 60.7003, 63.6322.

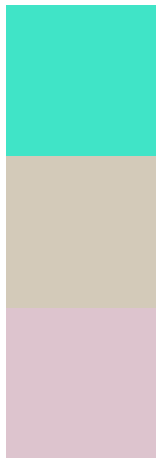


This preview shows how white text looks on a background with the XYZ color 40.1666, 60.7003,

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

40.1666, 60.7003, 63.6322

Protanopia

56.7415, 59.5927, 54.4109

Deuteranopia

60.6993, 59.3082, 66.6410



Tritanopia

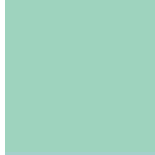
45.6872, 60.5123, 91.7101

Trichromacy



Original Color

40.1666, 60.7003, 63.6322



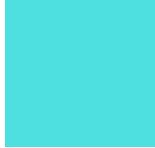
Protanomaly

46.6891, 57.5753, 57.3676



Deuteranomaly

48.6452, 57.3161, 64.9991



Tritanomaly

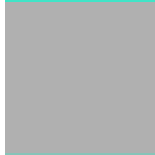
43.3881, 60.3673, 80.5994

Monochromacy



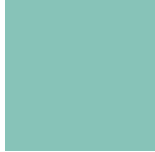
Original Color

40.1666, 60.7003, 63.6322



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.1585, 47.6418, 52.5320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1666, 60.7003, 63.6322 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, 228, 199)` looks like.

```
.text, #text, p{  
    color:rgb(64, 228, 199)  
}
```

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, 228, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 228, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.1666, 60.7003, 63.6322 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, 228, 199) }
```


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

```
.border{ border-color:rgb(64, 228, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 228, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 228, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 228, 199);  
box-shadow:4px 4px 4px 4px rgb(64, 228,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1666, 60.7003, 63.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 228, 199) }
```

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

```
.background{ background-color: rgb(64, 228,  
199) }
```

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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