

Converting Colors

XYZ(39.9870, 65.7528, 55.6061)

Have a look what the booklet for
XYZ(39.9870, 65.7528, 55.6061)
contains.

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Color

**XYZ(40.0382, 65.9096,
55.4113)**

Conversions

Conversions Part 1

Format	Color
Hex	16F0B7
RGB	22, 240, 183
RGB Percent	9%, 94%, 72%
CMY	0.9136, 0.0588, 0.2823
CMYK	0.91, 0.00, 0.24, 0.06
HSL	164°, 88%, 51%
HSV	164°, 91%, 94%
XYZ	40.0382, 65.9096, 55.4113
YIQ	168.3200, -111.6310, -63.9430

Conversions

Conversions Part 2

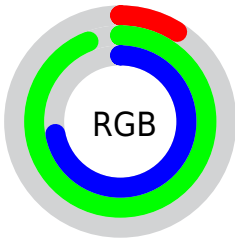
Format	Color
R _Y B	22, 147, 240
Decimal	1503415
CIE Lab	84.95, -60.32, 14.38
CIE LCh	85, 62.006, 166.595
Yxy	65.9096, 0.2481, 0.4085
Android (android.graphics.Color)	4279693495 (0xFF16F0B7)
YUV	168.3200, 7.2372, -128.3226
Hunter-Lab	81.1847, -54.0417, 16.3619

Details

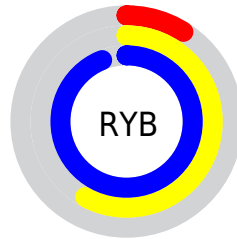
The XYZ color **40.0382, 65.9096, 55.4113** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **37.6359, 19.6654, 9.2138**, and the grayscale version is **37.3855, 39.3325, 42.8331**.

A 20% lighter version of the original color is **58.5424, 81.4650, 94.3002**, and **20.9628, 35.4787, 26.8623** is the 20% darker color. If you saturate the color by 10%, you get **39.1213, 65.5064, 52.3044**, and if you desaturate by 10%, it is **41.5044, 66.5899, 58.9681**.

Distribution



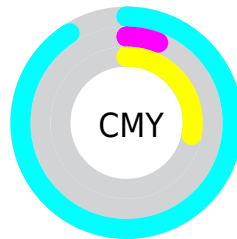
- Red (9%)
- Green (94%)
- Blue (72%)



- Red (9%)
- Yellow (58%)
- Blue (94%)



- Cyan (91%)
- Magenta (0%)
- Yellow (24%)
- Black (6%)





- Cyan (91%)
- Magenta (6%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0382, 65.9096, 55.4113 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 40.0382, 65.9096, 55.4113 by changing the saturation by 10% instead.


 40.0382, 65.9096,
55.4113


 40.0382, 65.9096,
55.4113

337.4162,
446.0535, 424.7949


 27.7527, 48.1990,
39.3303


 74.5056, 113.3566,
99.6205


 18.2788, 33.9845,
26.7070


 97.4183, 143.8618,
128.5858


 11.2512, 22.8817,
17.1228


 124.6040,
179.4006, 162.6829

 6.3046, 14.5062,
10.1592

 156.4281,
220.3575, 202.3304

 3.0736, 8.4736,
5.3976

 193.2561,
267.1168, 247.9468

 1.1928, 4.3994,
2.4196

235.4532,

 0.1007, 1.8994,

320.0630, 299.9507

0.7971

283.3848,
379.5805, 358.7605

■ 0.0000, 0.5480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0382, 65.9096,
55.4113

■ 40.0382, 65.9096,
55.4113

■ 39.1213, 65.5064,
52.3044


■ 41.5044, 66.5899,
58.9681


■ 43.6017, 67.5905,
62.7071


■ 46.4202, 68.9595,
66.6356

■ 50.0338, 70.7348,
70.7591

 54.5070, 72.9498,
75.0824

 59.8977, 75.6342,
79.6100

 66.2585, 78.8151,
84.3461

 73.6380, 82.5174,
89.2947

 82.0814, 86.7646,
94.4596

Harmonies

Analogous

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



45.1332, 65.9096, 30.9099



40.0382, 65.9096, 55.4113



40.3252, 65.9096, 95.9741

Triad

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



40.0382, 65.9096, 55.4113



70.6093, 65.9096, 173.2189



82.9083, 65.9096, 29.2198

Complementary

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



40.0382, 65.9096, 55.4113



37.6359, 19.6654, 9.2138

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.



91.9750, 65.9096, 52.0122



40.0382, 65.9096, 55.4113



84.1856, 65.9096, 138.4221

Square

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



40.0382, 65.9096, 55.4113



56.6393, 65.9096, 175.2150



92.4743, 65.9096, 91.0545



69.0611, 65.9096, 20.0242

Rectangle

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



40.0382, 65.9096, 55.4113



43.5097, 65.9096, 127.8868



92.4743, 65.9096, 91.0545



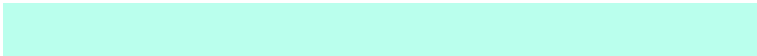
86.7004, 65.9096, 35.0637

Sweetspot

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



40.0400, 65.9122, 55.4128



71.3316, 88.0921, 93.3615



34.6272, 64.0924, 11.3062



14.7576, 18.6004, 19.5900



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.



40.0400, 65.9122, 55.4128



44.8714, 75.1646, 59.9002



34.2881, 42.9183, 88.9179



16.0606, 17.8543, 19.3419



21.4723, 35.8809, 28.9337



1.8268, 3.0012, 2.6204

Inverse Universe

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



37.6359, 19.6654, 9.2138



42.2436, 21.6614, 7.2149



38.4564, 23.3338, 3.2372



15.9425, 15.8267, 17.2532



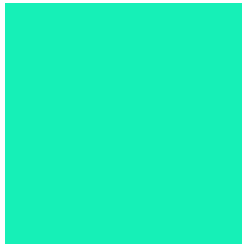
20.2052, 10.3545, 3.7312



1.7204, 0.8772, 0.5183

Previews

White Background



This preview shows how the XYZ color 40.0382, 65.9096, 55.4113 looks on a white background.

Color Contrast Check

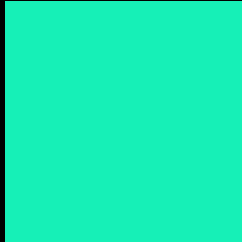
Large Text (above 18pt) WCAG AA × Fail

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 40.0382, 65.9096, 55.4113 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

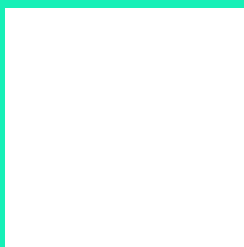
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0382, 65.9096, 55.4113

Background



This preview shows how black text looks on a background with the XYZ color 40.0382, 65.9096, 55.4113.

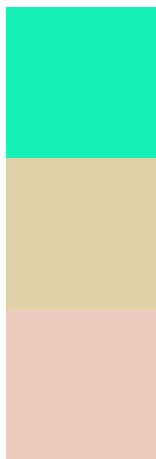


This preview shows how white text looks on a background with the XYZ color 40.0382, 65.9096,

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

40.0382, 65.9096, 55.4113

Protanopia

60.5459, 64.6083, 46.3253

Deuteranopia

65.6850, 64.4780, 58.2737



Tritanopia

48.9731, 65.6737, 100.5376

Trichromacy



Original Color

40.0382, 65.9096, 55.4113



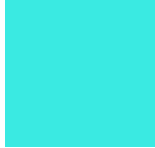
Protanomaly

45.9770, 61.2141, 48.9274



Deuteranomaly

47.9310, 60.1135, 56.6538



Tritanomaly

44.8952, 65.2362, 82.1771

Monochromacy



Original Color

40.0382, 65.9096, 55.4113



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.9048, 45.2455, 46.4815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0382, 65.9096, 55.4113 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(22, 240, 183)` looks like.

```
.text, #text, p{  
    color:rgb(22, 240, 183)  
}
```

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(22, 240, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 240, 183) }
```

Border

The CSS property to change the border of an element to XYZ 40.0382, 65.9096, 55.4113 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(22, 240, 183) }
```


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

```
.border{ border-color:rgb(22, 240, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 240, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 240, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 240, 183);  
box-shadow:4px 4px 4px 4px rgb(22, 240,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0382, 65.9096, 55.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 240, 183) }
```

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

```
.background{ background-color: rgb(22, 240,  
183) }
```

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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