

Converting Colors

XYZ(40.1230, 65.4664, 57.7433)

Have a look what the booklet for
XYZ(40.1230, 65.4664, 57.7433)
contains.

XYZ(40.0856, 65.4495, 57.5340)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.0856, 65.4495,
57.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	12EFBB
RGB	18, 239, 187
RGB Percent	7%, 94%, 73%
CMY	0.9293, 0.0627, 0.2667
CMYK	0.92, 0.00, 0.22, 0.06
HSL	166°, 87%, 50%
HSV	166°, 92%, 94%
XYZ	40.0856, 65.4495, 57.5340
YIQ	166.9930, -115.0240, -63.0240

Conversions

Conversions Part 2

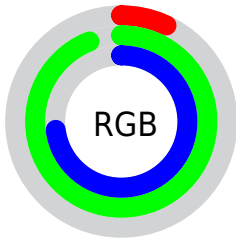
Format	Color
RYB	18, 143, 239
Decimal	1241019
CIELab	84.71, -59.15, 11.96
CIELCh	85, 60.350, 168.574
Yxy	65.4495, 0.2458, 0.4014
Android (android.graphics.Color)	4279431099 (0xFF12EFBB)
YUV	166.9930, 9.8635, -130.6669
Hunter-Lab	80.9009, -53.1315, 14.4655

Details

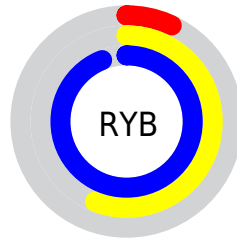
The XYZ color **40.0856, 65.4495, 57.5340** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.9209, 19.2273, 7.5639**, and the grayscale version is **36.7251, 38.6377, 42.0764**.

A 20% lighter version of the original color is **59.0079, 81.6359, 97.4413**, and **21.0310, 35.1771, 28.2357** is the 20% darker color. If you saturate the color by 10%, you get **39.3900, 65.1442, 55.1672**, and if you desaturate by 10%, it is **41.4034, 66.0595, 60.8024**.

Distribution



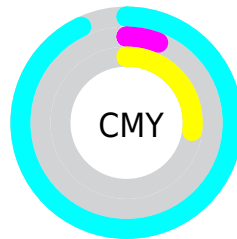
- Red (7%)
- Green (94%)
- Blue (73%)



- Red (7%)
- Yellow (56%)
- Blue (94%)



- Cyan (92%)
- Magenta (0%)
- Yellow (22%)
- Black (6%)





- Cyan (93%)
- Magenta (6%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0856, 65.4495, 57.5340 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 40.0856, 65.4495, 57.5340 by changing the saturation by 10% instead.


 40.0856, 65.4495,
57.5340


 40.0856, 65.4495,
57.5340


337.6125,
444.4055, 432.9969


 27.7898, 47.8257,
41.0219


 74.5774, 112.6959,
102.7520

 18.3069, 33.6888,
28.0164


 97.5040, 143.0872,
132.2950


 11.2716, 22.6547,
18.0989


 124.7050,
178.5031, 167.0187

 6.3184, 14.3387,
10.8508

 156.5457,
219.3280, 207.3417

 3.0822, 8.3566,
5.8537

 193.3914,
265.9463, 253.6824

 1.1974, 4.3240,
2.6890

235.6076,

 0.1043, 1.8564,

318.7424, 306.4596

0.9379

283.5595,
378.1007, 366.0915

■ 0.0000, 0.5220,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0856, 65.4495,
57.5340

■ 40.0856, 65.4495,
57.5340

■ 39.3900, 65.1442,
55.1672

■ 41.4034, 66.0595,
60.8024

■ 43.3246, 66.9762,
64.2221

■ 45.9415, 68.2488,
67.8002

■ 49.3290, 69.9158,
71.5415

■ 53.5522, 72.0109,
75.4503

■ 58.6692, 74.5637,
79.5308

■ 64.7328, 77.6017,
83.7865

■ 71.7915, 81.1497,
88.2211

■ 79.8905, 85.2312,
92.8379

Harmonies

Analogous

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



44.7119, 65.4495, 32.5397



40.0856, 65.4495, 57.5340



40.7134, 65.4495, 97.6474

Triad

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



40.0856, 65.4495, 57.5340



70.8430, 65.4495, 167.4469



81.0012, 65.4495, 28.8081

Complementary

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



40.0856, 65.4495, 57.5340



36.9209, 19.2273, 7.5639

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.



90.1838, 65.4495, 50.1195



40.0856, 65.4495, 57.5340



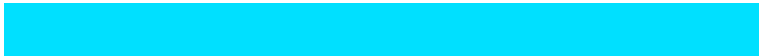
83.7592, 65.4495, 132.5974

Square

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



40.0856, 65.4495, 57.5340



57.2084, 65.4495, 171.7202



91.2603, 65.4495, 87.0197



67.4903, 65.4495, 20.4266

Rectangle

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



40.0856, 65.4495, 57.5340



44.0491, 65.4495, 128.3574



91.2603, 65.4495, 87.0197



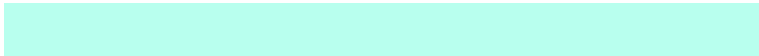
84.7754, 65.4495, 34.2487

Sweetspot

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



40.0874, 65.4520, 57.5355



70.8932, 87.8457, 94.2609



33.7451, 63.2060, 10.9947



14.5522, 18.4914, 19.7241



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.



40.0874, 65.4520, 57.5355



45.6095, 75.4598, 63.7866



32.9209, 40.5420, 87.7546



16.0790, 17.8616, 19.4389



21.8203, 36.0201, 30.7663



1.8532, 3.0117, 2.7594

Inverse Universe

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



36.9209, 19.2273, 7.5639



42.0558, 21.5863, 6.2260



38.1075, 23.1957, 3.0420



15.9252, 15.8198, 17.1624



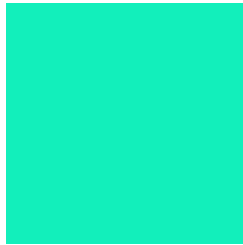
20.1113, 10.3169, 3.2367



1.7104, 0.8732, 0.4660

Previews

White Background



This preview shows how the XYZ color 40.0856, 65.4495, 57.5340 looks on a white background.

Color Contrast Check

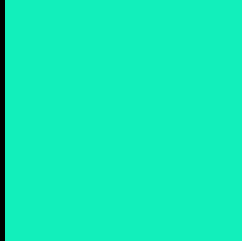
Large Text (above 18pt) WCAG AA × Fail

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 40.0856, 65.4495, 57.5340 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

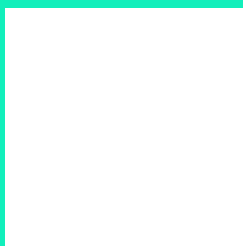
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0856, 65.4495, 57.5340

Background



This preview shows how black text looks on a background with the XYZ color 40.0856, 65.4495, 57.5340.

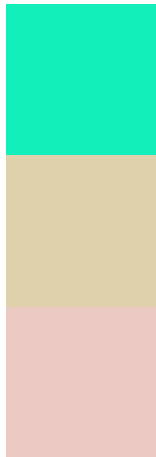


This preview shows how white text looks on a background with the XYZ color 40.0856, 65.4495,

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

40.0856, 65.4495, 57.5340

Protanopia

60.3711, 64.1091, 48.2221

Deuteranopia

65.2318, 63.8434, 60.5147



Tritanopia

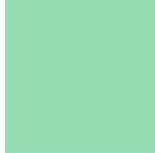
48.5764, 65.4872, 99.7026

Trichromacy



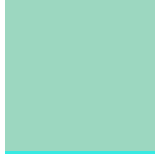
Original Color

40.0856, 65.4495, 57.5340



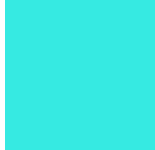
Protanomaly

45.7418, 60.6566, 50.8920



Deuteranomaly

47.5252, 59.4746, 58.8441



Tritanomaly

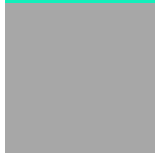
44.6716, 65.1209, 82.1667

Monochromacy



Original Color

40.0856, 65.4495, 57.5340



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.5200, 44.7066, 46.9070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0856, 65.4495, 57.5340 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(18, 239, 187)` looks like.

```
.text, #text, p{  
    color:rgb(18, 239, 187)  
}
```

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(18, 239, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 239, 187) }
```

Border

The CSS property to change the border of an element to XYZ 40.0856, 65.4495, 57.5340 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(18, 239, 187) }
```


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

```
.border{ border-color:rgb(18, 239, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 239, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 239, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 239, 187);  
box-shadow:4px 4px 4px 4px rgb(18, 239,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0856, 65.4495, 57.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 239, 187) }
```

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

```
.background{ background-color: rgb(18, 239,  
187) }
```

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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