

Converting Colors

XYZ(22.4465, 33.8353, 40.2316)

Have a look what the booklet for
XYZ(22.4465, 33.8353, 40.2316)
contains.

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Color

**XYZ(22.4048, 33.8335,
40.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	13B0A3
RGB	19, 176, 163
RGB Percent	7%, 69%, 64%
CMY	0.9254, 0.3098, 0.3608
CMYK	0.89, 0.00, 0.07, 0.31
HSL	175°, 80%, 38%
HSV	175°, 89%, 69%
XYZ	22.4048, 33.8335, 40.0000
YIQ	127.5750, -89.3990, -37.3270

Conversions

Conversions Part 2

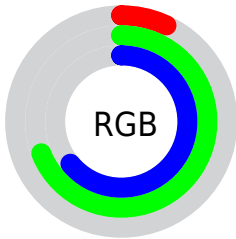
Format	Color
RYB	19, 101, 176
Decimal	1290403
CIELab	64.83, -39.54, -3.88
CIElCh	65, 39.729, 185.601
Yxy	33.8335, 0.2328, 0.3516
Android (android.graphics.Color)	4279480483 (0xFF13B0A3)
YUV	127.5750, 17.4645, -95.2203
Hunter-Lab	58.1666, -33.0363, -0.0560

Details

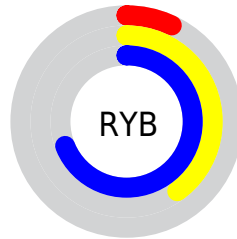
The XYZ color **22.4048, 33.8335, 40.0000** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.3993, 9.8012, 2.2901**, and the grayscale version is **20.3369, 21.3960, 23.3002**.

A 20% lighter version of the original color is **46.8783, 65.5419, 76.5098**, and **9.9522, 15.3136, 17.4702** is the 20% darker color. If you saturate the color by 10%, you get **22.0247, 33.6533, 39.3050**, and if you desaturate by 10%, it is **23.0176, 34.1350, 40.7152**.

Distribution



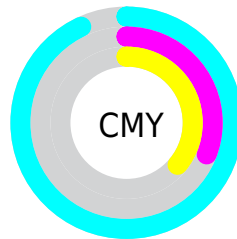
- Red (7%)
- Green (69%)
- Blue (64%)



- Red (7%)
- Yellow (40%)
- Blue (69%)



- Cyan (89%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4048, 33.8335, 40.0000 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 22.4048, 33.8335, 40.0000 by changing the saturation by 10% instead.


 22.4048, 33.8335,
40.0000


 22.4048, 33.8335,
40.0000

257.2458,
319.3890, 361.6757


 14.2729, 22.7657,
27.2248


 46.8880, 65.6747,
76.4006


 8.3937, 14.4206,
17.5082


 63.9701, 87.2168,
100.8630


 4.4018, 8.4138,
10.4317


 84.7662, 113.0193,
130.0583

 1.9319, 4.3608,
5.5768

 109.6418,
143.4663, 164.4049

 0.5953, 1.8774,
2.5249

 138.9622,
178.9425, 204.3214

 0.0000, 0.5347,
0.8533

173.0928,

 0.0000, 0.0000,

219.8320, 250.2263

0.0000

212.3989,
266.5194, 302.5382

■ 22.4048, 33.8335,
40.0000

■ 22.4048, 33.8335,
40.0000

■ 22.0247, 33.6533,
39.3050

■ 23.0176, 34.1350,
40.7152

■ 21.9965, 33.6400,
39.2494

■ 23.9343, 34.5922,
41.4518

■ 25.1947, 35.2265,
42.2124

■ 26.8319, 36.0547,
42.9985

■ 28.8749, 37.0921,
43.8116

■ 31.3503, 38.3521,
44.6530

■ 34.2819, 39.8472,
45.5237

■ 37.6922, 41.5889,
46.4248

■ 41.6020, 43.5879,
47.3574

Harmonies

Analogous

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



23.1437, 33.8335, 25.2965



22.4048, 33.8335, 40.0000



24.0166, 33.8335, 58.3915

Triad

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



22.4048, 33.8335, 40.0000



38.9962, 33.8335, 68.8530



36.9196, 33.8335, 14.9512

Complementary

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



22.4048, 33.8335, 40.0000



18.3993, 9.8012, 2.2901

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.



41.9575, 33.8335, 21.3737



22.4048, 33.8335, 40.0000



43.2525, 33.8335, 51.4467

Square

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



22.4048, 33.8335, 40.0000



33.2433, 33.8335, 77.9318



44.3957, 33.8335, 33.8489



31.0960, 33.8335, 13.5382

Rectangle

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



22.4048, 33.8335, 40.0000



26.3344, 33.8335, 69.4293



44.3957, 33.8335, 33.8489



38.7818, 33.8335, 16.4783

Sweetspot

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



22.4058, 33.8348, 40.0008



57.7120, 69.9914, 81.2509



16.2424, 31.4075, 5.8232



12.1550, 14.9889, 17.4969



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.4058, 33.8348, 40.0008



39.8522, 60.9935, 70.9676



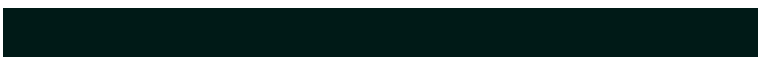
13.7458, 14.5536, 43.1604



8.7117, 9.6192, 10.7414



16.1491, 24.6856, 28.8518



0.5170, 0.7803, 0.9545

Inverse Universe

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



18.3993, 9.8012, 2.2901



32.5905, 16.7874, 2.1390



21.2266, 15.6850, 2.5257



8.5240, 8.5163, 8.9918



13.2074, 6.8005, 0.9863



0.4249, 0.2177, 0.0803

Previews

White Background



This preview shows how the XYZ color 22.4048, 33.8335, 40.0000 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 22.4048, 33.8335, 40.0000 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

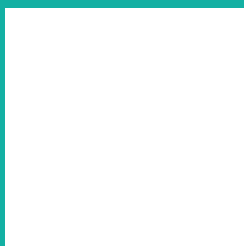
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4048, 33.8335, 40.0000

Background



This preview shows how black text looks on a background with the XYZ color 22.4048, 33.8335, 40.0000.



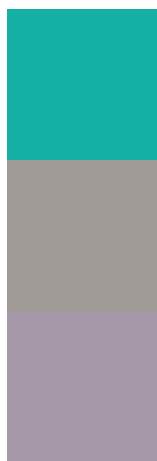
This preview shows how white text looks on a background with the XYZ color 22.4048, 33.8335,

40.0000.

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

22.4048, 33.8335, 40.0000

Protanopia

31.8045, 33.1506, 34.0006

Deuteranopia

34.0220, 33.3906, 41.6977



Tritanopia

24.9954, 34.0329, 52.2653

Trichromacy



Original Color

22.4048, 33.8335, 40.0000



Protanomaly

25.3203, 31.8122, 35.8162



Deuteranomaly

26.4379, 31.7536, 40.8120



Tritanomaly

23.8995, 33.8615, 47.3958

Monochromacy



Original Color

22.4048, 33.8335, 40.0000



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.9576, 24.2486, 28.8806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4048, 33.8335, 40.0000 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(19, 176, 163)` looks like.

```
.text, #text, p{  
    color:rgb(19, 176, 163)  
}
```

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(19, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 176, 163) }
```

Border

The CSS property to change the border of an element to XYZ 22.4048, 33.8335, 40.0000 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(19, 176, 163) }
```


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

```
.border{ border-color:rgb(19, 176, 163) }
```

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

Here you see how a box with a 4 pixel rgb(19, 176, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(19, 176,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4048, 33.8335, 40.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 176, 163) }
```

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

```
.background{ background-color: rgb(19, 176,  
163) }
```

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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