

Converting Colors

XYZ(22.8310, 34.8024, 39.5414)

Have a look what the booklet for
XYZ(22.8310, 34.8024, 39.5414)
contains.

XYZ(22.9509, 35.0083, 39.7300)	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(22.9509, 35.0083,
39.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	15B3A2
RGB	21, 179, 162
RGB Percent	8%, 70%, 64%
CMY	0.9176, 0.2980, 0.3647
CMYK	0.88, 0.00, 0.09, 0.30
HSL	174°, 79%, 39%
HSV	174°, 88%, 70%
XYZ	22.9509, 35.0083, 39.7300
YIQ	129.8200, -88.7110, -38.7830

Conversions

Conversions Part 2

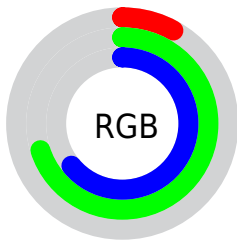
Format	Color
RYB	21, 104, 179
Decimal	1422242
CIELab	65.76, -41.04, -1.96
CIELCh	66, 41.084, 182.734
Yxy	35.0083, 0.2349, 0.3584
Android (android.graphics.Color)	4279612322 (0xFF15B3A2)
YUV	129.8200, 15.8647, -95.4351
Hunter-Lab	59.1678, -34.3044, 1.6054

Details

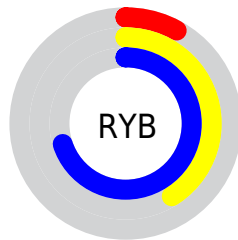
The XYZ color **22.9509, 35.0083, 39.7300** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.2096, 10.2609, 2.8030**, and the grayscale version is **21.1245, 22.2246, 24.2026**.

A 20% lighter version of the original color is **47.7122, 67.2512, 76.1117**, and **10.2029, 15.8149, 17.5538** is the 20% darker color. If you saturate the color by 10%, you get **22.5114, 34.8022, 38.8231**, and if you desaturate by 10%, it is **23.6484, 35.3487, 40.6642**.

Distribution



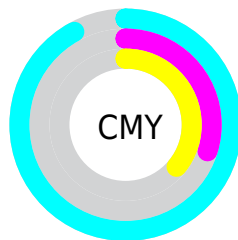
- Red (8%)
- Green (70%)
- Blue (64%)



- Red (8%)
- Yellow (41%)
- Blue (70%)



- Cyan (88%)
- Magenta (0%)
- Yellow (9%)
- Black (30%)





- Cyan (92%)
- Magenta (30%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9509, 35.0083, 39.7300 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 22.9509, 35.0083, 39.7300 by changing the saturation by 10% instead.


 22.9509, 35.0083,
39.7300


 22.9509, 35.0083,
39.7300

260.0128,
324.6050, 360.5024


 14.6778, 23.6693,
27.0159


 47.7799, 67.4986,
75.9848


 8.6784, 15.0885,
17.3526


 65.0665, 89.4187,
100.3625


 4.5874, 8.8815,
10.3216


 86.0884, 115.6346,
129.4653

 2.0395, 4.6640,
5.5043

 111.2107,
146.5307, 163.7115

 0.6560, 2.0515,
2.4822

 140.7990,
182.4914, 203.5198

 0.0000, 0.6371,
0.8307

175.2185,

 0.0000, 0.0000,

223.9011, 249.3087

0.0000

214.8346,
271.1441, 301.4967

■ 22.9509, 35.0083,
39.7300

■ 22.9509, 35.0083,
39.7300

■ 22.5114, 34.8022,
38.8231

■ 23.6484, 35.3487,
40.6642

■ 22.4431, 34.7704,
38.6671

■ 24.6669, 35.8536,
41.6265

■ 26.0474, 36.5447,
42.6195

■ 27.8238, 37.4396,
43.6449

■ 30.0264, 38.5539,
44.7041

■ 32.6823, 39.9016,
45.7986

■ 35.8164, 41.4955,
46.9295

■ 39.4518, 43.3476,
48.0980

■ 43.6102, 45.4689,
49.3051

Harmonies

Analogous

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



23.9646, 35.0083, 24.7969



22.9509, 35.0083, 39.7300



24.4134, 35.0083, 59.1305

Triad

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



22.9509, 35.0083, 39.7300



39.9724, 35.0083, 73.5907



38.8958, 35.0083, 15.5042

Complementary

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



22.9509, 35.0083, 39.7300



19.2096, 10.2609, 2.8030

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.



44.0555, 35.0083, 22.7866



22.9509, 35.0083, 39.7300



44.7281, 35.0083, 55.5169

Square

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



22.9509, 35.0083, 39.7300



33.8325, 35.0083, 82.0430



46.3052, 35.0083, 36.5504



32.7223, 35.0083, 13.5778

Rectangle

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



22.9509, 35.0083, 39.7300



26.7132, 35.0083, 71.2714



46.3052, 35.0083, 36.5504



40.8305, 35.0083, 17.2700

Sweetspot

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



22.9519, 35.0096, 39.7308



59.4887, 71.9468, 82.3852



17.1098, 32.7356, 6.1269



12.7867, 15.7401, 18.1014



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.9519, 35.0096, 39.7308



40.1428, 62.2502, 68.9816



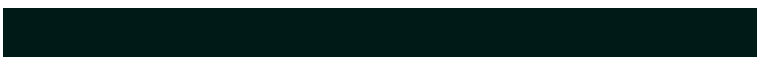
14.9769, 16.4751, 45.0400



8.7025, 9.6155, 10.6928



15.8733, 24.5753, 27.3994



0.5106, 0.7777, 0.9210

Inverse Universe

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



19.2096, 10.2609, 2.8030



33.4701, 17.2342, 2.4806



21.7119, 15.6090, 2.5786



8.5323, 8.5196, 9.0356



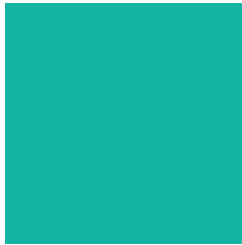
13.2339, 6.8111, 1.1258



0.4284, 0.2191, 0.0985

Previews

White Background



This preview shows how the XYZ color 22.9509, 35.0083, 39.7300 looks on a white background.

Color Contrast Check

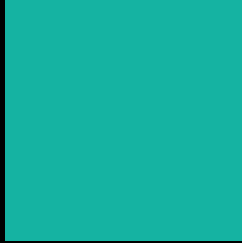
Large Text (above 18pt) WCAG AA × Fail

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 22.9509, 35.0083, 39.7300 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

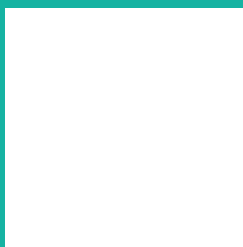
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9509, 35.0083, 39.7300

Background



This preview shows how black text looks on a background with the XYZ color 22.9509, 35.0083, 39.7300.

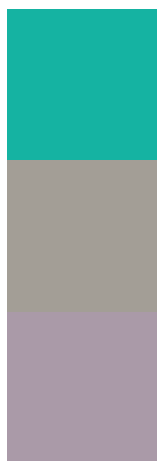


This preview shows how white text looks on a background with the XYZ color 22.9509, 35.0083,

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

22.9509, 35.0083, 39.7300

Protanopia

32.8361, 34.4423, 33.7715

Deuteranopia

35.2010, 34.4844, 41.8466



Tritanopia

25.7819, 34.9870, 53.5384

Trichromacy



Original Color

22.9509, 35.0083, 39.7300



Protanomaly

26.0245, 32.9850, 35.5670



Deuteranomaly

27.1826, 32.6606, 40.9478



Tritanomaly

24.4987, 34.7367, 48.0615

Monochromacy



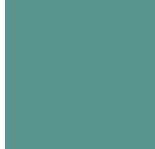
Original Color

22.9509, 35.0083, 39.7300



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.6888, 25.3065, 29.4381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9509, 35.0083, 39.7300 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(21, 179, 162)` looks like.

```
.text, #text, p{  
    color:rgb(21, 179, 162)  
}
```

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(21, 179, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 179, 162) }
```

Border

The CSS property to change the border of an element to XYZ 22.9509, 35.0083, 39.7300 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(21, 179, 162) }
```


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

```
.border{ border-color:rgb(21, 179, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 179, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 179, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 179, 162);  
box-shadow:4px 4px 4px 4px rgb(21, 179,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9509, 35.0083, 39.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 179, 162) }
```

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

```
.background{ background-color: rgb(21, 179,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor