

Converting Colors

XYZ(35.8307, 51.8079, 70.8223)

Have a look what the booklet for
XYZ(35.8307, 51.8079, 70.8223)
contains.

XYZ(35.7834, 51.6395, 71.0322)	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(35.7834, 51.6395,
71.0322)**

Conversions

Conversions Part 1

Format	Color
Hex	1CD3D5
RGB	28, 211, 213
RGB Percent	11%, 83%, 84%
CMY	0.8901, 0.1725, 0.1647
CMYK	0.87, 0.01, 0.00, 0.16
HSL	181°, 77%, 47%
HSV	181°, 87%, 84%
XYZ	35.7834, 51.6395, 71.0322
YIQ	156.5110, -109.7100, -38.1740

Conversions

Conversions Part 2

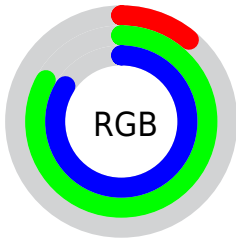
Format	Color
RYB	28, 120, 213
Decimal	1889237
CIELab	77.06, -40.10, -13.00
CIELCh	77, 42.160, 197.962
Yxy	51.6395, 0.2258, 0.3259
Android (android.graphics.Color)	4280079317 (0xFF1CD3D5)
YUV	156.5110, 27.8491, -112.7041
Hunter-Lab	71.8606, -36.8710, -8.3040

Details

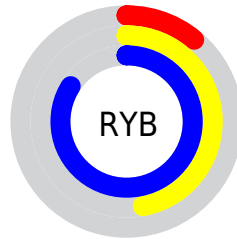
The XYZ color **35.7834, 51.6395, 71.0322** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.1157, 15.1600, 2.5444**, and the grayscale version is **31.7465, 33.3998, 36.3723**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **18.0600, 26.2456, 36.4618** is the 20% darker color. If you saturate the color by 10%, you get **35.3325, 51.3233, 70.9959**, and if you desaturate by 10%, it is **36.6449, 52.1697, 71.0901**.

Distribution



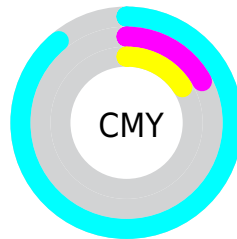
- Red (11%)
- Green (83%)
- Blue (84%)



- Red (11%)
- Yellow (47%)
- Blue (84%)



- Cyan (87%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)





- Cyan (89%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7834, 51.6395, 71.0322 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 35.7834, 51.6395, 71.0322 by changing the saturation by 10% instead.


 35.7834, 51.6395,
71.0322


 35.7834, 51.6395,
71.0322


319.4606,
393.0433, 483.0527


 24.4363, 36.7178,
51.8865


 68.0237, 92.5994,
122.3745

 15.7841, 24.9891,
36.5330


 89.6476, 119.4063,
155.4081


 9.4614, 16.0689,
24.5532


 115.4277,
150.9438, 193.9081

 5.1028, 9.5729,
15.5285

 145.7296,
187.5963, 238.2930

 2.3431, 5.1167,
9.0404

 180.9184,
229.7480, 288.9814

 0.8166, 2.3159,
4.6704

221.3596,

 0.0000, 0.7821,

277.7835, 346.3918

1.9999

267.4186,
332.0872, 410.9427

■ 0.0000, 0.0000,
0.5552

■ 0.0000, 0.0000,
0.0000

■ 35.7834, 51.6395,
71.0322

■ 35.7834, 51.6395,
71.0322

■ 35.3325, 51.3233,
70.9959

■ 36.6449, 52.1697,
71.0901

■ 35.2303, 51.2439,
70.9860

■ 37.9910, 52.9486,
71.1695

■ 39.8834, 54.0094,
71.2745

■ 42.3737, 55.3785,
71.4075

■ 45.5076, 57.0795,
71.5707

■ 49.3263, 59.1336,
71.7659

■ 53.8675, 61.5604,
71.9949

■ 59.1663, 64.3778,
72.2595

■ 65.2553, 67.6027,
72.5610

Harmonies

Analogous

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



35.4491, 51.6395, 47.4807



35.7834, 51.6395, 71.0322



39.4314, 51.6395, 95.9851

Triad

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



35.7834, 51.6395, 71.0322



61.4960, 51.6395, 91.4321



52.3805, 51.6395, 23.0653

Complementary

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



35.7834, 51.6395, 71.0322



28.1157, 15.1600, 2.5444

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.



60.1908, 51.6395, 29.3154



35.7834, 51.6395, 71.0322



65.8259, 51.6395, 65.9855

Square

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



35.7834, 51.6395, 71.0322



54.0107, 51.6395, 109.8023



65.3237, 51.6395, 43.6361



44.4623, 51.6395, 23.7261

Rectangle

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



35.7834, 51.6395, 71.0322



43.5012, 51.6395, 108.1269



65.3237, 51.6395, 43.6361



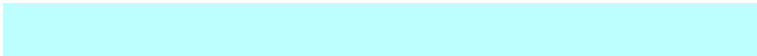
55.1204, 51.6395, 24.3377

Sweetspot

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



35.7850, 51.6414, 71.0334



74.4938, 89.0643, 107.8726



24.4840, 47.9204, 9.0592



15.4844, 18.8165, 23.0658



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.



35.7850, 51.6414, 71.0334



52.9374, 76.9949, 106.6791



19.2682, 18.6079, 65.5279



12.7802, 14.0838, 15.9824



21.5252, 31.3121, 43.3625



1.3021, 1.8962, 2.6167

Inverse Universe

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



39.6150, 19.6813, 63.3409



58.8496, 28.3038, 94.6608



34.4291, 27.7869, 4.6489



12.9470, 12.6303, 15.6611



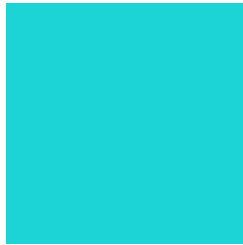
23.9238, 11.5058, 38.4981



1.4449, 0.6947, 2.3321

Previews

White Background



This preview shows how the XYZ color 35.7834, 51.6395, 71.0322 looks on a white background.

Color Contrast Check

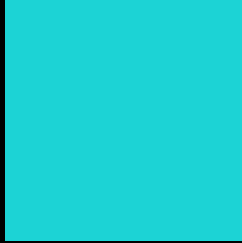
Large Text (above 18pt) WCAG AA × Fail

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 35.7834, 51.6395, 71.0322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

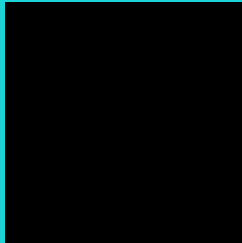
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

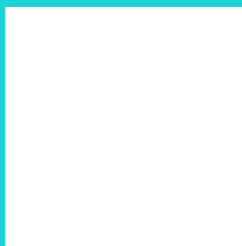
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7834, 51.6395, 71.0322

Background



This preview shows how black text looks on a background with the XYZ color 35.7834, 51.6395, 71.0322.

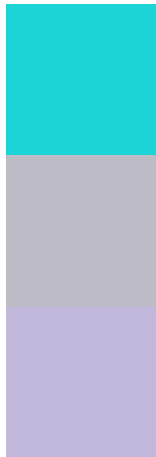


This preview shows how white text looks on a background with the XYZ color 35.7834, 51.6395,

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

35.7834, 51.6395, 71.0322

Protanopia

49.1625, 50.8625, 60.6524

Deuteranopia

51.9190, 50.7329, 74.0738



Tritanopia

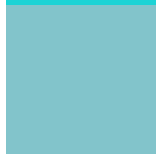
37.5666, 51.6274, 79.9366

Trichromacy



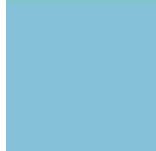
Original Color

35.7834, 51.6395, 71.0322



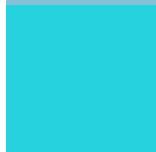
Protanomaly

39.7253, 48.5375, 63.7748



Deuteranomaly

41.4890, 48.5799, 72.8358



Tritanomaly

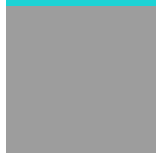
36.8971, 51.7257, 76.4460

Monochromacy



Original Color

35.7834, 51.6395, 71.0322



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.0884, 37.9336, 47.3311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7834, 51.6395, 71.0322 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(28, 211, 213)` looks like.

```
.text, #text, p{  
    color:rgb(28, 211, 213)  
}
```

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(28, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 211, 213) }
```

Border

The CSS property to change the border of an element to XYZ 35.7834, 51.6395, 71.0322 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(28, 211, 213) }
```


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

```
.border{ border-color:rgb(28, 211, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(28, 211,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7834, 51.6395, 71.0322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 211, 213) }
```

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

```
.background{ background-color: rgb(28, 211,  
213) }
```

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