

Converting Colors

XYZ(39.9773, 55.3295, 87.1699)

Have a look what the booklet for
XYZ(39.9773, 55.3295, 87.1699)
contains.

XYZ(39.9773, 55.3295, 87.1699)	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(39.9773, 55.3295,
87.1699)**

Conversions

Conversions Part 1

Format	Color
Hex	1AD8EB
RGB	26, 216, 235
RGB Percent	10%, 85%, 92%
CMY	0.8979, 0.1529, 0.0784
CMYK	0.89, 0.08, 0.00, 0.08
HSL	185°, 84%, 51%
HSV	185°, 89%, 92%
XYZ	39.9773, 55.3295, 87.1699
YIQ	161.3560, -119.3390, -34.3710

Conversions

Conversions Part 2

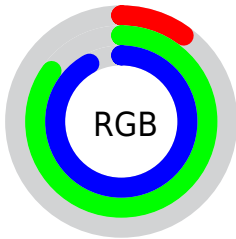
Format	Color
R_{YB}	26, 126, 235
Decimal	1759467
CIE _{Lab}	79.23, -35.85, -21.52
CIE _{LCh}	79, 41.815, 210.970
Yxy	55.3295, 0.2191, 0.3032
Android (android.graphics.Color)	4279949547 (0xFF1AD8EB)
YUV	161.3560, 36.3065, -118.7072
Hunter-Lab	74.3838, -34.2375, -17.4129

Details

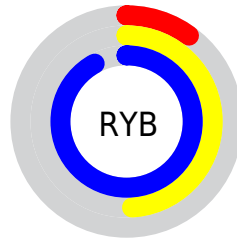
The XYZ color **39.9773, 55.3295, 87.1699** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.3878, 19.6163, 2.9004**, and the grayscale version is **33.9231, 35.6898, 38.8661**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **20.8816, 28.7444, 47.0955** is the 20% darker color. If you saturate the color by 10%, you get **39.0401, 54.0401, 86.9715**, and if you desaturate by 10%, it is **41.3957, 56.8797, 87.3954**.

Distribution



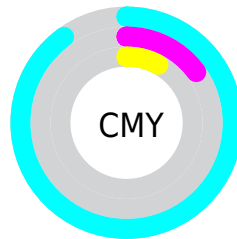
- Red (10%)
- Green (85%)
- Blue (92%)



- Red (10%)
- Yellow (49%)
- Blue (92%)



- Cyan (89%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)




- Cyan (90%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9773, 55.3295, 87.1699 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 39.9773, 55.3295, 87.1699 by changing the saturation by 10% instead.


 39.9773, 55.3295,
87.1699


 39.9773, 55.3295,
87.1699


337.1639,
407.1597, 539.1117


 27.7050, 39.6656,
65.0754


 74.4135, 98.0236,
145.3019


 18.2427, 27.2779,
47.0705


 97.3081, 125.8225,
182.1764


 11.2251, 17.7821,
32.7366


 124.4742,
158.4352, 224.8148

 6.2869, 10.7936,
21.6553

 156.2770,
196.2462, 273.6354

 3.0626, 5.9282,
13.4080

 193.0821,
239.6397, 329.0568

 1.1870, 2.8015,
7.5760

235.2547,

 0.0960, 1.0290,

289.0002, 391.4977

3.7410

283.1602,
344.7121, 461.3765

■ 0.0000, 0.0000,
1.4844

■ 0.0000, 0.0000,
0.2062

■ 39.9773, 55.3295,
87.1699

■ 39.9773, 55.3295,
87.1699

■ 39.0401, 54.0401,
86.9715

■ 41.3957, 56.8797,
87.3954

■ 38.9502, 53.9074,
86.9506

■ 43.4115, 58.7474,
87.6497

■ 46.1067, 60.9760,
87.9378

■ 49.5494, 63.6006,
88.2629

■ 53.7990, 66.6519,
88.6279

■ 58.9092, 70.1576,
89.0352

■ 64.9287, 74.1429,
89.4872

■ 71.9029, 78.6312,
89.9860

■ 79.8740, 83.6442,
90.5335

Harmonies

Analogous

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



38.1009, 55.3295, 61.0273



39.9773, 55.3295, 87.1699



45.1693, 55.3295, 110.1168

Triad

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



39.9773, 55.3295, 87.1699



67.9304, 55.3295, 85.4540



52.3173, 55.3295, 24.9471

Complementary

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



39.9773, 55.3295, 87.1699



35.3878, 19.6163, 2.9004

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.



60.7798, 55.3295, 28.2956



39.9773, 55.3295, 87.1699



70.3507, 55.3295, 59.4682

Square

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



39.9773, 55.3295, 87.1699



61.3005, 55.3295, 108.9556



67.6081, 55.3295, 39.5272



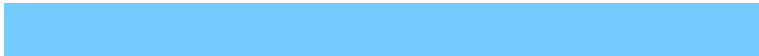
44.7446, 55.3295, 28.7692

Rectangle

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



39.9773, 55.3295, 87.1699



50.1068, 55.3295, 118.0939



67.6081, 55.3295, 39.5272



55.1519, 55.3295, 25.2617

Sweetspot

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



39.9791, 55.3315, 87.1712



72.1317, 85.2689, 107.2645



30.5799, 59.8152, 12.2625



14.9474, 17.9201, 22.9211



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.



39.9791, 55.3315, 87.1712



46.8550, 64.8300, 104.6517



21.3391, 18.0516, 80.9579



15.3938, 16.8740, 19.3679



21.7269, 30.1008, 48.4079



1.7404, 2.4322, 3.8126

Inverse Universe

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



47.0266, 23.3607, 66.9982



55.7794, 27.0758, 78.4936



45.0273, 38.8954, 6.1136



15.6523, 15.2888, 18.7204



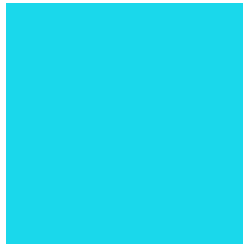
25.8220, 12.5315, 36.4597



2.0450, 0.9909, 2.9541

Previews

White Background



This preview shows how the XYZ color 39.9773, 55.3295, 87.1699 looks on a white background.

Color Contrast Check

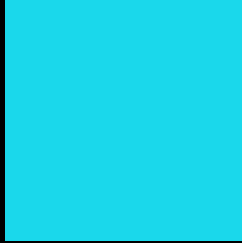
Large Text (above 18pt) WCAG AA × Fail

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 39.9773, 55.3295, 87.1699 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

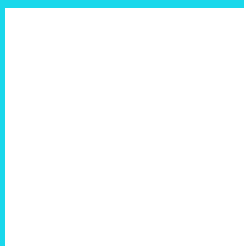
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9773, 55.3295, 87.1699

Background



This preview shows how black text looks on a background with the XYZ color 39.9773, 55.3295, 87.1699.



This preview shows how white text looks on a background with the XYZ color 39.9773, 55.3295,

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

39.9773, 55.3295, 87.1699

Protanopia

53.2234, 54.2544, 75.3771

Deuteranopia

55.7432, 54.5596, 90.8122



Tritanopia

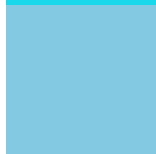
39.7605, 55.2344, 86.4076

Trichromacy



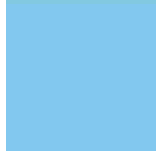
Original Color

39.9773, 55.3295, 87.1699



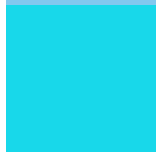
Protanomaly

43.6832, 51.9554, 78.9602



Deuteranomaly

45.4402, 52.2864, 89.3587



Tritanomaly

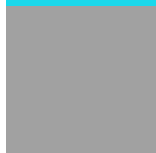
39.7838, 55.2464, 86.4087

Monochromacy



Original Color

39.9773, 55.3295, 87.1699



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.2831, 40.1233, 53.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9773, 55.3295, 87.1699 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(26, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(26, 216, 235)  
}
```

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(26, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 216, 235) }
```

Border

The CSS property to change the border of an element to XYZ 39.9773, 55.3295, 87.1699 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(26, 216, 235) }
```


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

```
.border{ border-color:rgb(26, 216, 235) }
```

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

Here you see how a box with a 4 pixel rgb(26, 216, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(26, 216,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9773, 55.3295, 87.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 216, 235) }
```

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

```
.background{ background-color: rgb(26, 216,  
235) }
```

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