

Converting Colors

XYZ(39.7838, 55.2464, 86.4087)

Have a look what the booklet for
XYZ(39.7838, 55.2464, 86.4087)
contains.

XYZ(39.7838, 55.2464, 86.4087)	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(39.7838, 55.2464,
86.4087)**

Conversions

Conversions Part 1

Format	Color
Hex	18D8EA
RGB	24, 216, 234
RGB Percent	9%, 85%, 92%
CMY	0.9058, 0.1529, 0.0823
CMYK	0.90, 0.08, 0.00, 0.08
HSL	185°, 83%, 51%
HSV	185°, 90%, 92%
XYZ	39.7838, 55.2464, 86.4087
YIQ	160.6440, -120.2100, -35.1060

Conversions

Conversions Part 2

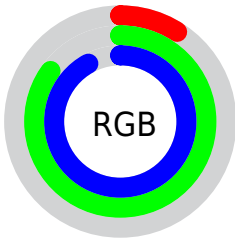
Format	Color
R _Y B	24, 124, 234
Decimal	1628394
CIE Lab	79.18, -36.25, -21.06
CIE LCh	79, 41.925, 210.150
Yxy	55.2464, 0.2193, 0.3045
Android (android.graphics.Color)	4279818474 (0xFF18D8EA)
YUV	160.6440, 36.1645, -119.8368
Hunter-Lab	74.3279, -34.5323, -16.8971




Details

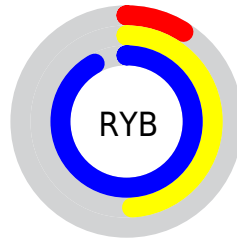
The XYZ color **39.7838, 55.2464, 86.4087** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.9264, 19.2168, 2.7343**, and the grayscale version is **33.5938, 35.3433, 38.4889**.




A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **20.7808, 28.7041, 46.5647** is the 20% darker color. If you saturate the color by 10%, you get **38.9052, 54.0363, 86.2225**, and if you desaturate by 10%, it is **41.1175, 56.7026, 86.6205**.

Distribution







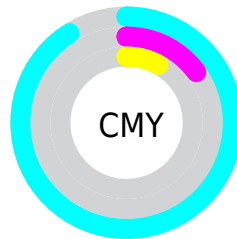
-  Red (9%)
-  Green (85%)
-  Blue (92%)






-  Red (9%)
-  Yellow (49%)
-  Blue (92%)



-  Cyan (90%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (8%)



-  Cyan (91%)
-  Magenta (15%)
-  Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7838, 55.2464, 86.4087 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 39.7838, 55.2464, 86.4087 by changing the saturation by 10% instead.

39.7838, 55.2464,
86.4087

39.7838, 55.2464,
86.4087

336.3615,
406.8453, 536.5436

27.5535, 39.5990,
64.4492

74.1206, 97.9019,
144.2313

18.1281, 27.2261,
46.5661

96.9578, 125.6788,
180.9314

11.1422, 17.7431,
32.3409

124.0614,
158.2676, 223.3821

6.2306, 10.7657,
21.3550

155.7966,
196.0529, 272.0019

3.0278, 5.9095,
13.1900

192.5289,
239.4188, 327.2095

1.1685, 2.7901,
7.4272

234.6235,

0.0813, 1.0232,

288.7500, 389.4232

3.6482

282.4460,
344.4307, 459.0617

■ 0.0000, 0.0000,
1.4344

■ 0.0000, 0.0000,
0.1683

■ 39.7838, 55.2464,
86.4087

■ 39.7838, 55.2464,
86.4087

■ 38.9052, 54.0363,
86.2225

■ 41.1175, 56.7026,
86.6205

■ 38.8836, 54.0049,
86.2176

■ 43.0348, 58.4679,
86.8602

■ 45.6181, 60.5860,
87.1329

■ 48.9356, 63.0919,
87.4417

■ 53.0466, 66.0164,
87.7895

■ 58.0046, 69.3869,
88.1788

■ 63.8584, 73.2288,
88.6118

■ 70.6528, 77.5651,
89.0907

■ 78.4300, 82.4176,
89.6174

Harmonies

Analogous

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



38.0012, 55.2464, 60.2750



39.7838, 55.2464, 86.4087



44.8983, 55.2464, 109.6557

Triad

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



39.7838, 55.2464, 86.4087



67.7464, 55.2464, 86.1422



52.4678, 55.2464, 24.8259

Complementary

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



39.7838, 55.2464, 86.4087



34.9264, 19.2168, 2.7343

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.



60.9368, 55.2464, 28.3729



39.7838, 55.2464, 86.4087



70.3090, 55.2464, 60.0331

Square

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



39.7838, 55.2464, 86.4087



61.0177, 55.2464, 109.4753



67.6964, 55.2464, 39.8419



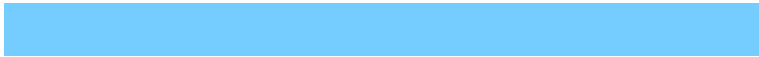
44.8324, 55.2464, 28.4463

Rectangle

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



39.7838, 55.2464, 86.4087



49.8041, 55.2464, 117.9705



67.6964, 55.2464, 39.8419



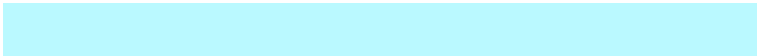
55.3122, 55.2464, 25.2044

Sweetspot

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



39.7855, 55.2484, 86.4100



72.2422, 85.4900, 107.3014



30.2102, 59.2048, 11.9820



14.9740, 17.9732, 22.9299



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.



39.7855, 55.2484, 86.4100



47.2290, 65.5780, 104.7763



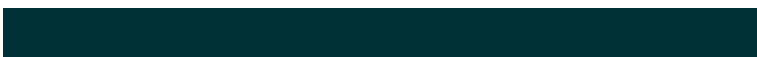
20.9702, 17.6177, 80.1383



15.4008, 16.8881, 19.3703



21.8966, 30.4403, 48.4645



1.7520, 2.4554, 3.8165

Inverse Universe

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



46.6545, 23.1053, 66.9685



55.9682, 27.1513, 79.4877



44.4557, 38.2754, 5.9107



15.6559, 15.2902, 18.7391



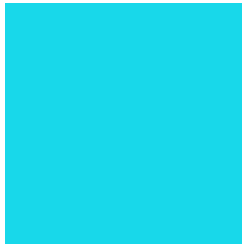
25.9077, 12.5658, 36.9110



2.0508, 0.9933, 2.9849

Previews

White Background



This preview shows how the XYZ color 39.7838, 55.2464, 86.4087 looks on a white background.

Color Contrast Check

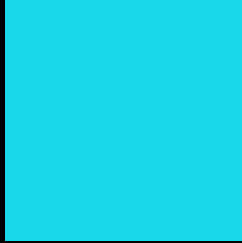
Large Text (above 18pt) WCAG AA × Fail

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 39.7838, 55.2464, 86.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

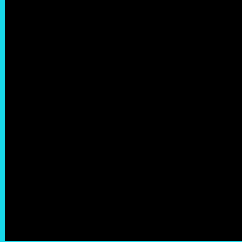
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7838, 55.2464, 86.4087

Background



This preview shows how black text looks on a background with the XYZ color 39.7838, 55.2464, 86.4087.

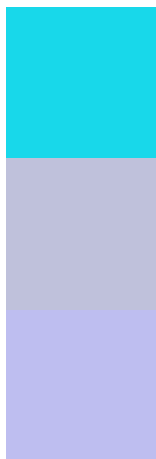


This preview shows how white text looks on a background with the XYZ color 39.7838, 55.2464,

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

39.7838, 55.2464, 86.4087

Protanopia

53.3420, 54.3308, 74.6933

Deuteranopia

55.3768, 54.0653, 89.9551



Tritanopia

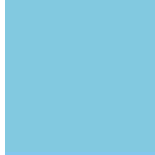
39.7605, 55.2344, 86.4076

Trichromacy



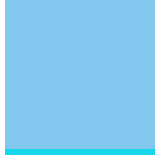
Original Color

39.7838, 55.2464, 86.4087



Protanomaly

43.5471, 51.9009, 78.2437



Deuteranomaly

45.0620, 51.7657, 88.5057



Tritanomaly

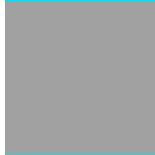
39.7605, 55.2344, 86.4076

Monochromacy



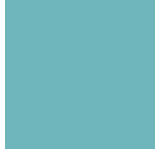
Original Color

39.7838, 55.2464, 86.4087



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.1565, 40.0581, 53.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7838, 55.2464, 86.4087 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(24, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(24, 216, 234)  
}
```

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(24, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 39.7838, 55.2464, 86.4087 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(24, 216, 234) }
```


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

```
.border{ border-color:rgb(24, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(24, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7838, 55.2464, 86.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 216, 234) }
```

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

```
.background{ background-color: rgb(24, 216,  
234) }
```

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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