

Converting Colors

XYZ(39.0868, 54.8955, 80.7197)

Have a look what the booklet for
XYZ(39.0868, 54.8955, 80.7197)
contains.

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Color

**XYZ(39.1200, 55.0341,
80.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	27D8E2
RGB	39, 216, 226
RGB Percent	15%, 85%, 89%
CMY	0.8470, 0.1529, 0.1137
CMYK	0.83, 0.04, 0.00, 0.11
HSL	183°, 76%, 52%
HSV	183°, 83%, 89%
XYZ	39.1200, 55.0341, 80.5123
YIQ	164.2170, -108.7020, -34.4140

Conversions

Conversions Part 2

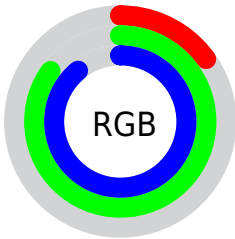
Format	Color
R _Y B	39, 130, 226
Decimal	2611426
CIE Lab	79.06, -37.82, -16.96
CIE LCh	79, 41.447, 204.150
Yxy	55.0341, 0.2240, 0.3151
Android (android.graphics.Color)	4280801506 (0xFF27D8E2)
YUV	164.2170, 30.4590, -109.8153
Hunter-Lab	74.1850, -35.6952, -12.4174

Details

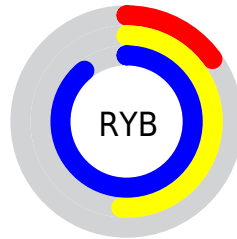
The XYZ color **39.1200, 55.0341, 80.5123** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.8299, 18.5135, 3.7641**, and the grayscale version is **35.2896, 37.1274, 40.4317**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **20.0956, 28.4300, 42.9565** is the 20% darker color. If you saturate the color by 10%, you get **38.1968, 54.1014, 80.3820**, and if you desaturate by 10%, it is **40.5578, 56.2378, 80.6699**.

Distribution



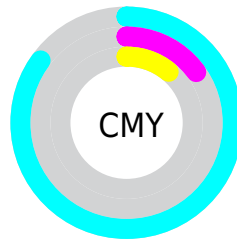
- Red (15%)
- Green (85%)
- Blue (89%)



- Red (15%)
- Yellow (51%)
- Blue (89%)



- Cyan (83%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (85%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1200, 55.0341, 80.5123 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 39.1200, 55.0341, 80.5123 by changing the saturation by 10% instead.


 39.1200, 55.0341,
80.5123


 39.1200, 55.0341,
80.5123


333.5988,
406.0412, 516.4099


 27.0342, 39.4290,
59.6114


 73.1145, 97.5909,
135.9037


 17.7357, 27.0936,
42.6822


 95.7539, 125.3114,
171.2312


 10.8589, 17.6436,
29.3063


 122.6420,
157.8392, 212.2046

 6.0386, 10.6944,
19.0651

 154.1440,
195.5587, 259.2425

 2.9095, 5.8617,
11.5400

 190.6253,
238.8543, 312.7635

 1.1061, 2.7612,
6.3126

232.4513,

 0.0302, 1.0084,

288.1102, 373.1860

2.9642

279.9874,
343.7111, 440.9286

■ 0.0000, 0.0000,
1.0764

■ 0.0000, 0.0000,
0.0000

■ 39.1200, 55.0341,
80.5123

■ 39.1200, 55.0341,
80.5123

■ 38.1968, 54.1014,
80.3820

■ 40.5578, 56.2378,
80.6699

■ 37.7532, 53.5422,
80.2974

■ 42.5838, 57.7469,
80.8544

■ 45.2650, 59.5972,
81.0702

■ 48.6579, 61.8178,
81.3200

■ 52.8132, 64.4349,
81.6062

■ 57.7768, 67.4720,
81.9308

■ 63.5908, 70.9510,
82.2958

■ 70.2948, 74.8922,
82.7032

■ 77.9254, 79.3145,
83.1547

Harmonies

Analogous

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



38.0533, 55.0341, 55.4078



39.1200, 55.0341, 80.5123



43.5517, 55.0341, 104.8392

Triad

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



39.1200, 55.0341, 80.5123



66.2581, 55.0341, 90.6848



53.9428, 55.0341, 25.1222

Complementary

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



39.1200, 55.0341, 80.5123



32.8299, 18.5135, 3.7641

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.



62.1663, 55.0341, 30.1119



39.1200, 55.0341, 80.5123



69.7411, 55.0341, 64.6766

Square

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



39.1200, 55.0341, 80.5123



59.0749, 55.0341, 111.7117



68.1702, 55.0341, 43.1818



46.0791, 55.0341, 27.2772

Rectangle

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



39.1200, 55.0341, 80.5123



48.0916, 55.0341, 115.1553



68.1702, 55.0341, 43.1818



56.7644, 55.0341, 25.9670

Sweetspot

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



39.1217, 55.0361, 80.5136



74.2810, 87.6932, 107.6192



28.5752, 55.0416, 11.9541



15.3986, 18.4643, 23.0023



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.



39.1217, 55.0361, 80.5136



49.6858, 70.4443, 105.5861



21.6678, 20.1284, 74.6957



14.0505, 15.4401, 17.6274



21.5665, 30.6025, 45.8186



1.5143, 2.1602, 3.1824

Inverse Universe

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



44.4856, 22.5792, 66.9815



57.2199, 27.6962, 85.9423



41.3829, 35.6195, 6.6151



14.2617, 13.9223, 17.1483



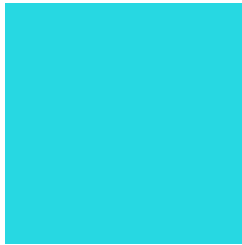
24.8260, 11.9974, 37.3448



1.7306, 0.8355, 2.6403

Previews

White Background



This preview shows how the XYZ color 39.1200, 55.0341, 80.5123 looks on a white background.

Color Contrast Check

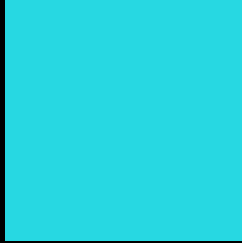
Large Text (above 18pt) WCAG AA × Fail

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 39.1200, 55.0341, 80.5123 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 39.1200, 55.0341, 80.5123

Background



This preview shows how black text looks on a background with the XYZ color 39.1200, 55.0341, 80.5123.

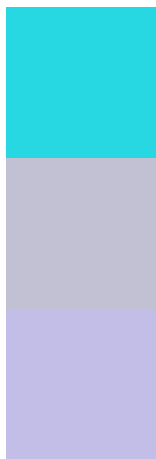


This preview shows how white text looks on a background with the XYZ color 39.1200, 55.0341,

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

39.1200, 55.0341, 80.5123

Protanopia

52.8202, 54.1805, 69.3020

Deuteranopia

55.2271, 54.1224, 83.8798



Tritanopia

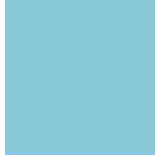
39.9926, 55.0079, 84.8537

Trichromacy



Original Color

39.1200, 55.0341, 80.5123



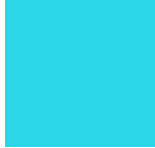
Protanomaly

43.5978, 52.0495, 72.7145



Deuteranomaly

45.1876, 51.9633, 82.5112



Tritanomaly

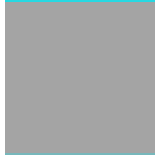
39.5796, 54.8276, 83.3596

Monochromacy



Original Color

39.1200, 55.0341, 80.5123



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.5109, 41.3768, 53.2340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1200, 55.0341, 80.5123 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(39, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(39, 216, 226)  
}
```

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(39, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 216, 226) }
```

Border

The CSS property to change the border of an element to XYZ 39.1200, 55.0341, 80.5123 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(39, 216, 226) }
```


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

```
.border{ border-color:rgb(39, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(39, 216,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1200, 55.0341, 80.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 216, 226) }
```

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

```
.background{ background-color: rgb(39, 216,  
226) }
```

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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