

Converting Colors

XYZ(39.1450, 50.2196, 90.1415)

Have a look what the booklet for
XYZ(39.1450, 50.2196, 90.1415)
contains.

XYZ(39.0086, 49.9952, 90.0322)	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(39.0086, 49.9952,
90.0322)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCBF0
RGB	61, 203, 240
RGB Percent	24%, 80%, 94%
CMY	0.7607, 0.2039, 0.0588
CMYK	0.75, 0.15, 0.00, 0.06
HSL	192°, 86%, 59%
HSV	192°, 75%, 94%
XYZ	39.0086, 49.9952, 90.0322
YIQ	164.7600, -96.5090, -18.5970

Conversions

Conversions Part 2

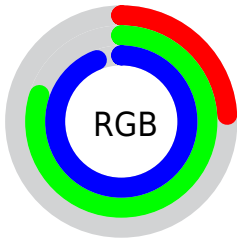
Format	Color
RYB	61, 140, 240
Decimal	4049904
CIELab	76.07, -25.26, -28.98
CIELCh	76, 38.450, 228.922
Yxy	49.9952, 0.2179, 0.2792
Android (android.graphics.Color)	4282239984 (0xFF3DCBF0)
YUV	164.7600, 37.0933, -90.9975
Hunter-Lab	70.7073, -25.2608, -25.9994

Details

The XYZ color **39.0086, 49.9952, 90.0322** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **41.1472, 27.6003, 7.5755**, and the grayscale version is **35.5129, 37.3624, 40.6876**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **19.3992, 24.9556, 49.1419** is the 20% darker color. If you saturate the color by 10%, you get **36.6954, 47.0921, 89.5947**, and if you desaturate by 10%, it is **42.0230, 53.3174, 90.5155**.

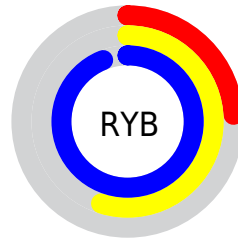
Distribution



Red (24%)

Green (80%)

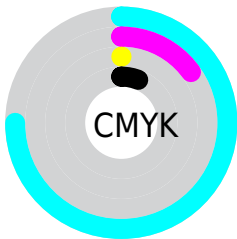
Blue (94%)



Red (24%)

Yellow (55%)

Blue (94%)

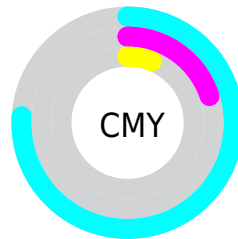


Cyan (75%)

Magenta (15%)

Yellow (0%)

Black (6%)



Cyan (76%)


Magenta (20%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0086, 49.9952, 90.0322 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 39.0086, 49.9952, 90.0322 by changing the saturation by 10% instead.

 39.0086, 49.9952,
90.0322


 39.0086, 49.9952,
90.0322


333.1336,
386.6472, 548.7084


 26.9472, 35.4096,
67.4335


 72.9454, 90.1678,
149.3190


 17.6699, 23.9786,
48.9732


 95.5516, 116.5235,
186.8442

 10.8115, 15.3177,
34.2328


 122.4033,
147.5714, 230.1820

 6.0066, 9.0427,
22.7937

 153.8660,
183.6959, 279.7509

 2.8898, 4.7690,
14.2374

190.3050,
225.2813, 335.9694

 1.0958, 2.1124,
8.1453

232.0857,

 0.0216, 0.6716,

272.7120, 399.2562

4.0990

279.5735,
326.3725, 470.0296

■ 0.0000, 0.0000,
1.6798

■ 0.0000, 0.0000,
0.3468

■ 39.0086, 49.9952,
90.0322

■ 39.0086, 49.9952,
90.0322

■ 36.6954, 47.0921,
89.5947

■ 42.0230, 53.3174,
90.5155

■ 34.9823, 44.5525,
89.1948

■ 45.8121, 57.0941,
91.0448

■ 34.2265, 43.2876,
88.9905

■ 50.4453, 61.3627,
91.6245

■ 55.9826, 66.1545,
92.2576

62.4785, 71.4981,
92.9467

69.9829, 77.4198,
93.6941

78.5423, 83.9439,
94.5023

88.2002, 91.0934,
95.3732

90.4290, 94.4727,
95.9080

Harmonies

Analogous

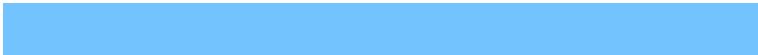
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.6139, 49.9952, 68.2985



39.0086, 49.9952, 90.0322



44.9142, 49.9952, 103.2166

Triad

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



39.0086, 49.9952, 90.0322



62.4038, 49.9952, 62.3960



43.1790, 49.9952, 24.9356

Complementary

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



39.0086, 49.9952, 90.0322



41.1472, 27.6003, 7.5755

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.



50.2225, 49.9952, 24.1125



39.0086, 49.9952, 90.0322



61.8191, 49.9952, 42.5894

Square

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



39.0086, 49.9952, 90.0322



58.7101, 49.9952, 84.7855



57.1849, 49.9952, 29.7302



37.8488, 49.9952, 32.3612

Rectangle

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



39.0086, 49.9952, 90.0322



49.6936, 49.9952, 103.6129



57.1849, 49.9952, 29.7302



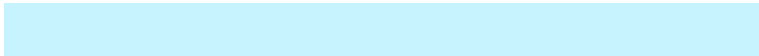
45.4087, 49.9952, 23.9627

Sweetspot

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



39.0103, 49.9970, 90.0334



73.7481, 83.6914, 106.8749



35.2347, 64.1730, 21.7928



15.3101, 17.5328, 22.8272



0.0000, 0.0000, 0.0000



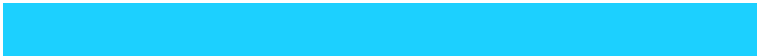
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0103, 49.9970, 90.0334



41.1073, 52.6217, 102.5982



23.7514, 19.4794, 84.9472



15.9538, 17.3417, 20.2280



18.8345, 23.8933, 48.7471



1.6358, 2.1256, 4.0783

Inverse Universe

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



48.3849, 26.1764, 59.0039



53.0523, 26.6512, 62.0786



54.4016, 54.1091, 11.9937



16.3061, 15.9722, 19.1682



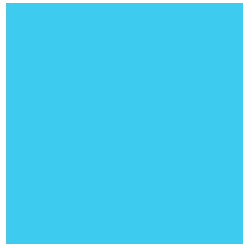
24.8324, 12.2054, 28.0978



2.1006, 1.0293, 2.5208

Previews

White Background



This preview shows how the XYZ color 39.0086, 49.9952, 90.0322 looks on a white background.

Color Contrast Check

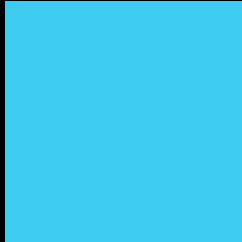
Large Text (above 18pt) WCAG AA × Fail

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 39.0086, 49.9952, 90.0322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

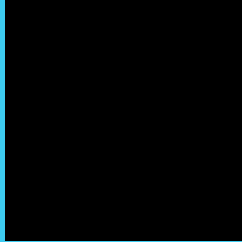
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0086, 49.9952, 90.0322

Background



This preview shows how black text looks on a background with the XYZ color 39.0086, 49.9952, 90.0322.



This preview shows how white text looks on a background with the XYZ color 39.0086, 49.9952,

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

39.0086, 49.9952, 90.0322

Protanopia

49.1371, 49.1741, 79.5748

Deuteranopia

50.2759, 49.1693, 92.4287



Tritanopia

36.5173, 50.0512, 77.5482

Trichromacy



Original Color

39.0086, 49.9952, 90.0322



Protanomaly

43.1880, 48.2387, 83.3787



Deuteranomaly

44.1068, 48.2035, 91.7735



Tritanomaly

37.3394, 50.0236, 81.8163

Monochromacy



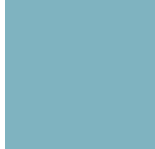
Original Color

39.0086, 49.9952, 90.0322



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.3869, 40.5580, 55.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0086, 49.9952, 90.0322 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(61, 203, 240)` looks like.

```
.text, #text, p{  
    color:rgb(61, 203, 240)  
}
```

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(61, 203, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 203, 240) }
```

Border

The CSS property to change the border of an element to XYZ 39.0086, 49.9952, 90.0322 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(61, 203, 240) }
```


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

```
.border{ border-color:rgb(61, 203, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 203, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 203, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 203, 240);  
box-shadow:4px 4px 4px 4px rgb(61, 203,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0086, 49.9952, 90.0322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 203, 240) }
```

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

```
.background{ background-color: rgb(61, 203,  
240) }
```

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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