

Converting Colors

XYZ(39.0240, 49.6499, 70.4776)

Have a look what the booklet for
XYZ(39.0240, 49.6499, 70.4776)
contains.

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Color

**XYZ(39.0812, 49.7655,
70.4967)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC9D5
RGB	108, 201, 213
RGB Percent	42%, 79%, 84%
CMY	0.5765, 0.2118, 0.1647
CMYK	0.49, 0.06, 0.00, 0.16
HSL	187°, 56%, 63%
HSV	187°, 49%, 84%
XYZ	39.0812, 49.7655, 70.4967
YIQ	174.5610, -59.2800, -15.9840

Conversions

Conversions Part 2

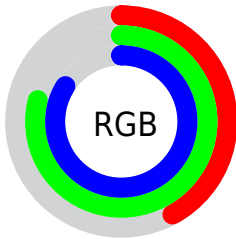
Format	Color
RYB	108, 157, 213
Decimal	7129557
CIELab	75.93, -24.43, -14.53
CIELCh	76, 28.421, 210.747
Yxy	49.7655, 0.2453, 0.3123
Android (android.graphics.Color)	4285319637 (0xFF6CC9D5)
YUV	174.5610, 18.9504, -58.3740
Hunter-Lab	70.5447, -24.5655, -9.8684

Details

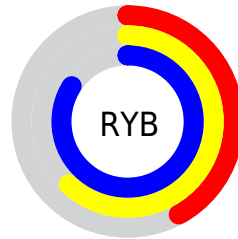
The XYZ color **39.0812, 49.7655, 70.4967** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.8648, 28.6627, 17.7781**, and the grayscale version is **40.4494, 42.5559, 46.3434**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **17.7320, 23.9169, 36.0296** is the 20% darker color. If you saturate the color by 10%, you get **36.2378, 47.4651, 70.2034**, and if you desaturate by 10%, it is **42.5694, 52.4139, 70.8249**.

Distribution



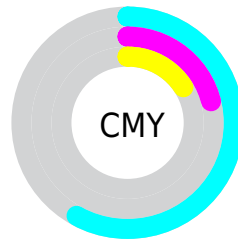
- Red (42%)
- Green (79%)
- Blue (84%)



- Red (42%)
- Yellow (62%)
- Blue (84%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0812, 49.7655, 70.4967 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 39.0812, 49.7655, 70.4967 by changing the saturation by 10% instead.

39.0812, 49.7655,
70.4967

39.0812, 49.7655,
70.4967

333.4368,
385.7482, 481.1283

27.0039, 35.2271,
51.4523

73.0556, 89.8273,
121.6046

17.7128, 23.8379,
36.1894

95.6835, 116.1196,
154.5051

10.8424, 15.2134,
24.2897

122.5589,
147.0985, 192.8614

6.0275, 8.9693,
15.3345

154.0472,
183.1486, 237.0919

2.9026, 4.7212,
8.9052

190.5138,
224.6542, 287.6154

1.1025, 2.0846,
4.5835

232.3240,

0.0272, 0.6559,

271.9998, 344.8502

1.9506

279.8433,
325.5696, 409.2150

■ 0.0000, 0.0000,
0.5246

■ 0.0000, 0.0000,
0.0000

■ 39.0812, 49.7655,
70.4967

■ 39.0812, 49.7655,
70.4967

■ 36.2378, 47.4651,
70.2034

■ 42.5694, 52.4139,
70.8249

■ 33.9877, 45.4827,
69.9394

■ 46.7400, 55.4264,
71.1866

■ 32.2790, 43.7927,
69.7032

■ 51.6332, 58.8248,
71.5846

■ 31.0484, 42.3623,
69.4920

■ 57.2846, 62.6277,
72.0208

■ 30.1910, 41.1374,
69.3008

■ 63.7275, 66.8521,
72.4966

■ 30.1353, 41.0539,
69.2876

■ 70.9933, 71.5144,
73.0136

■ 78.3325, 76.2283,
73.5367

■ 78.9685, 77.5004,
73.7487

■ 79.6138, 78.7910,
73.9638

Harmonies

Analogous

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



37.8357, 49.7655, 54.5669



39.0812, 49.7655, 70.4967



42.4991, 49.7655, 83.8048

Triad

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



39.0812, 49.7655, 70.4967



56.7481, 49.7655, 69.7156



47.1681, 49.7655, 29.9527

Complementary

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



39.0812, 49.7655, 70.4967



36.8648, 28.6627, 17.7781

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.



52.4508, 49.7655, 32.5253



39.0812, 49.7655, 70.4967



58.2254, 49.7655, 53.8072

Square

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



39.0812, 49.7655, 70.4967



52.6973, 49.7655, 83.2978



56.5985, 49.7655, 40.6080



42.2855, 49.7655, 32.7963

Rectangle

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



39.0812, 49.7655, 70.4967



45.6827, 49.7655, 88.3490



56.5985, 49.7655, 40.6080



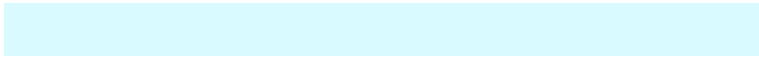
48.9562, 49.7655, 30.2073

Sweetspot

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



39.0827, 49.7674, 70.4979



80.9724, 90.6963, 107.8462



33.2796, 52.0976, 25.5989



16.9545, 19.1577, 23.0542



0.0000, 0.0000, 0.0000



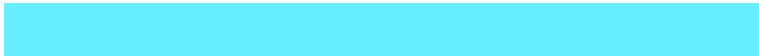
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0827, 49.7674, 70.4979



54.3416, 71.2334, 105.4931



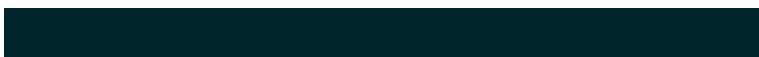
29.1022, 29.8064, 67.1710



12.6654, 13.8542, 15.9441



18.4557, 25.1731, 42.3393



1.1483, 1.5887, 2.5654

Inverse Universe

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



43.3470, 29.0896, 58.5906



61.6503, 37.4335, 84.7171



44.7114, 44.3560, 20.3937



12.8891, 12.6071, 15.3560



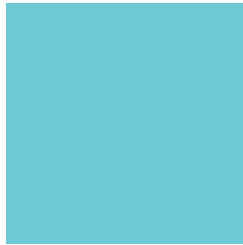
22.3744, 10.8861, 30.3395



1.3673, 0.6637, 1.9235

Previews

White Background



This preview shows how the XYZ color 39.0812, 49.7655, 70.4967 looks on a white background.

Color Contrast Check

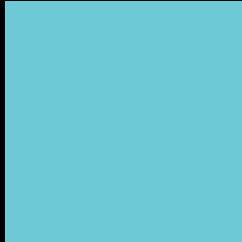
Large Text (above 18pt) WCAG AA × Fail

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 39.0812, 49.7655, 70.4967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

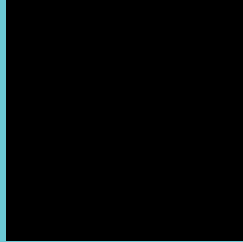
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0812, 49.7655, 70.4967

Background



This preview shows how black text looks on a background with the XYZ color 39.0812, 49.7655, 70.4967.



This preview shows how white text looks on a background with the XYZ color 39.0812, 49.7655,

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

39.0812, 49.7655, 70.4967

Protanopia

48.1360, 49.3240, 63.4834

Deuteranopia

50.2386, 49.2845, 72.5106



Tritanopia

39.4853, 49.5695, 73.1324

Trichromacy



Original Color

39.0812, 49.7655, 70.4967

Protanomaly

43.7979, 48.9347, 66.1684

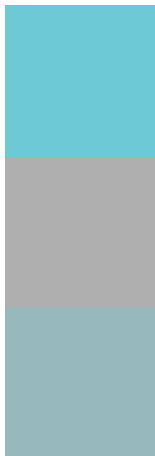
Deuteranomaly

45.0895, 48.8266, 72.0138

Tritanomaly

39.3556, 49.5176, 72.4493

Monochromacy



Original Color

39.0812, 49.7655, 70.4967

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.0883, 44.5344, 54.6799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0812, 49.7655, 70.4967 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(108, 201, 213)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 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(108, 201, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 213) }
```

Border

The CSS property to change the border of an element to XYZ 39.0812, 49.7655, 70.4967 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(108, 201, 213) }
```


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

```
.border{ border-color:rgb(108, 201, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 201, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 213);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0812, 49.7655, 70.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 213) }
```

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

```
.background{ background-color: rgb(108,  
201, 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](#).

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