

Converting Colors

XYZ(31.7386, 39.0105, 23.9365)

Have a look what the booklet for
XYZ(31.7386, 39.0105, 23.9365)
contains.

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Color

**XYZ(31.7390, 39.0105,
23.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	97B079
RGB	151, 176, 121
RGB Percent	59%, 69%, 47%
CMY	0.4078, 0.3098, 0.5255
CMYK	0.14, 0.00, 0.31, 0.31
HSL	87°, 26%, 58%
HSV	87°, 31%, 69%
XYZ	31.7390, 39.0105, 23.9461
YIQ	162.2550, 2.7550, -22.4050

Conversions

Conversions Part 2

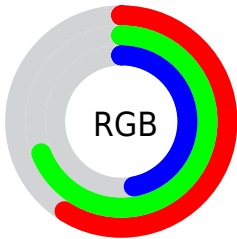
Format	Color
RYB	121, 176, 146
Decimal	9941113
CIELab	68.76, -18.45, 25.41
CIELCh	69, 31.406, 125.983
Yxy	39.0105, 0.3352, 0.4120
Android (android.graphics.Color)	4288131193 (0xFF97B079)
YUV	162.2550, -20.3387, -9.8706
Hunter-Lab	62.4584, -18.5952, 20.9895

Details

The XYZ color **31.7390, 39.0105, 23.9461** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.5296, 22.9215, 44.1026**, and the grayscale version is **34.5546, 36.3541, 39.5896**.

A 20% lighter version of the original color is **61.9502, 73.8910, 51.0417**, and **13.3982, 17.2864, 8.7613** is the 20% darker color. If you saturate the color by 10%, you get **29.3221, 37.8793, 18.7038**, and if you desaturate by 10%, it is **34.4557, 40.2759, 30.2320**.

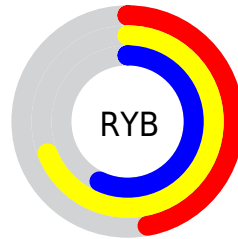
Distribution



Red (59%)

Green (69%)

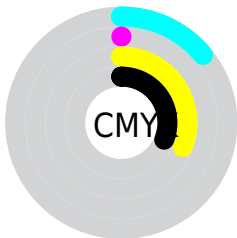
Blue (47%)



Red (47%)

Yellow (69%)

Blue (57%)

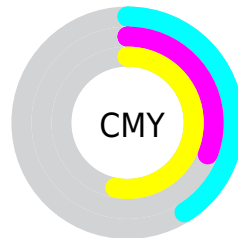


Cyan (14%)

Magenta (0%)

Yellow (31%)

Black (31%)



Cyan (41%)

Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7390, 39.0105, 23.9461 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 31.7390, 39.0105, 23.9461 by changing the saturation by 10% instead.

■ 31.7390, 39.0105,
23.9461

■ 31.7390, 39.0105,
23.9461

301.6950,
341.9351, 285.8256

■ 21.3168, 26.7679,
15.0818

■ 61.7697, 73.6544,
50.8850

■ 13.4695, 17.3990,
8.7296

■ 82.1088, 96.8244,
69.7966

■ 7.8319, 10.5194,
4.4708

■ 106.4844,
124.4057, 92.8945

■ 4.0385, 5.7446,
1.8870

135.2616,
156.7827, 120.5971

■ 1.7239, 2.6904,
0.4845

168.8060,
194.3397, 153.3229

■ 0.4712, 0.9723,
0.0000

207.4828,

■ 0.0000, 0.0000,

237.4612, 191.4906

0.0000

251.6573,
286.5316, 235.5187

■ 31.7390, 39.0105,
23.9461

■ 31.7390, 39.0105,
23.9461

■ 29.3221, 37.8793,
18.7038

■ 34.4557, 40.2759,
30.2320

■ 27.1892, 36.8718,
14.4460

■ 37.4810, 41.6753,
37.6112

■ 25.3276, 35.9839,
11.1117

■ 40.8270, 43.2151,
46.1333

■ 23.7221, 35.2095,
8.6318

■ 44.5042, 44.8996,
55.8442

■ 22.3555, 34.5413,
6.9277

■ 48.5226, 46.7331,
66.7871

■ 21.2080, 33.9712,
5.9063

■ 52.8918, 48.7197,
79.0032

■ 20.3493, 33.5388,
5.4011

■ 57.6209, 50.8631,
92.5316

■ 61.6033, 52.7209,
101.5370

■ 64.0109, 53.9620,
101.6497

Harmonies

Analogous

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



36.0904, 39.0105, 20.6462



31.7390, 39.0105, 23.9461



29.0118, 39.0105, 32.2764

Triad

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



31.7390, 39.0105, 23.9461



33.3211, 39.0105, 72.7223



47.4247, 39.0105, 39.6846

Complementary

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



31.7390, 39.0105, 23.9461



26.5296, 22.9215, 44.1026

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.



46.5165, 39.0105, 54.6251



31.7390, 39.0105, 23.9461



38.0840, 39.0105, 75.9484

Square

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



31.7390, 39.0105, 23.9461



29.8664, 39.0105, 60.6835



42.9852, 39.0105, 68.7129



45.3667, 39.0105, 28.3316

Rectangle

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



31.7390, 39.0105, 23.9461



28.3342, 39.0105, 40.5863



42.9852, 39.0105, 68.7129



47.4584, 39.0105, 44.4230

Sweetspot

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



31.7400, 39.0122, 23.9469



69.1959, 76.1444, 71.2714



31.5976, 31.0928, 22.4258



14.8150, 16.4183, 14.9918



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7400, 39.0122, 23.9469



54.2610, 69.2058, 36.2037



27.2538, 36.6995, 23.7370



8.8171, 9.7108, 9.0622



14.9980, 24.6418, 3.9659



0.5381, 0.8095, 0.1279

Inverse Universe

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



26.5296, 22.9215, 44.1026



43.2052, 35.0548, 78.9844



31.9643, 25.7232, 44.3569



8.3967, 8.4130, 10.6877



8.2435, 3.5855, 30.3946



0.3269, 0.1476, 0.9595

Previews

White Background



This preview shows how the XYZ color 31.7390, 39.0105, 23.9461 looks on a white background.

Color Contrast Check

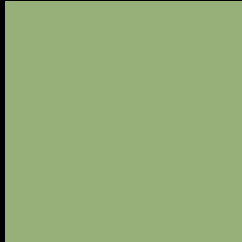
Large Text (above 18pt) WCAG AA × Fail

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 31.7390, 39.0105, 23.9461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

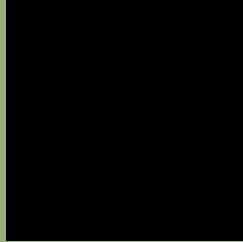
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7390, 39.0105, 23.9461

Background



This preview shows how black text looks on a background with the XYZ color 31.7390, 39.0105, 23.9461.



This preview shows how white text looks on a background with the XYZ color 31.7390, 39.0105,

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

31.7390, 39.0105, 23.9461

Protanopia

36.0857, 38.7455, 22.4063

Deuteranopia

39.4976, 38.6026, 24.4381



Tritanopia

36.9433, 38.8562, 49.8089

Trichromacy



Original Color

31.7390, 39.0105, 23.9461

Protanomaly

34.2223, 38.6035, 22.7871

Deuteranomaly

36.2674, 38.5263, 24.2637

Tritanomaly

34.8127, 38.8320, 38.9182

Monochromacy



Original Color

31.7390, 39.0105, 23.9461

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1857, 37.0131, 32.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7390, 39.0105, 23.9461 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(151, 176, 121)` looks like.

```
.text, #text, p{  
    color:rgb(151, 176, 121)  
}
```

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(151, 176, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 176, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.7390, 39.0105, 23.9461 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(151, 176, 121) }
```


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

```
.border{ border-color:rgb(151, 176, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 176, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 176, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 176, 121);  
box-shadow:4px 4px 4px 4px rgb(151, 176,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7390, 39.0105, 23.9461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 176, 121) }
```

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

```
.background{ background-color: rgb(151,  
176, 121) }
```

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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