

Converting Colors

XYZ(37.9503, 39.0579, 63.3768)

Have a look what the booklet for
XYZ(37.9503, 39.0579, 63.3768)
contains.

XYZ(37.9710, 39.0884, 63.3011)	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(37.9710, 39.0884,
63.3011)**

Conversions

Conversions Part 1

Format	Color
Hex	98A8CD
RGB	152, 168, 205
RGB Percent	60%, 66%, 80%
CMY	0.4039, 0.3412, 0.1961
CMYK	0.26, 0.18, 0.00, 0.20
HSL	222°, 35%, 70%
HSV	222°, 26%, 80%
XYZ	37.9710, 39.0884, 63.3011
YIQ	167.4340, -21.4130, 8.1150

Conversions

Conversions Part 2

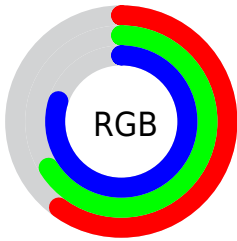
Format	Color
RYB	152, 164, 205
Decimal	10004685
CIELab	68.82, 2.67, -20.69
CIElCh	69, 20.860, 277.342
Yxy	39.0884, 0.2705, 0.2785
Android (android.graphics.Color)	4288194765 (0xFF98A8CD)
YUV	167.4340, 18.5200, -13.5356
Hunter-Lab	62.5207, -1.0020, -16.2656

Details

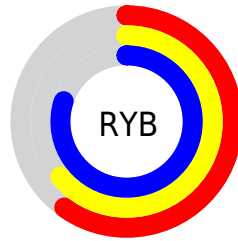
The XYZ color **37.9710, 39.0884, 63.3011** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.0426, 51.6419, 37.0901**, and the grayscale version is **36.8631, 38.7829, 42.2346**.

A 20% lighter version of the original color is **70.1698, 73.2608, 105.0501**, and **17.0868, 17.4345, 31.7428** is the 20% darker color. If you saturate the color by 10%, you get **31.9626, 32.2831, 62.3049**, and if you desaturate by 10%, it is **44.9358, 46.8203, 64.4271**.

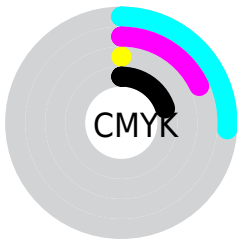
Distribution



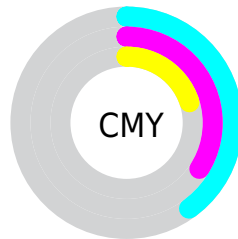
- Red (60%)
- Green (66%)
- Blue (80%)



- Red (60%)
- Yellow (64%)
- Blue (80%)



- Cyan (26%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9710, 39.0884, 63.3011 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 37.9710, 39.0884, 63.3011 by changing the saturation by 10% instead.

■ 37.9710, 39.0884,
63.3011

■ 37.9710, 39.0884,
63.3011

328.7786,
342.2662, 454.7994

■ 26.1373, 26.8285,
45.6423

■ 71.3679, 73.7733,
111.1936

■ 17.0596, 17.4445,
31.6170

■ 93.6617, 96.9672,
142.2643

■ 10.3726, 10.5519,
20.8067

120.1731,
124.5745, 178.6427

■ 5.7108, 5.7664,
12.7929

151.2672,
156.9796, 220.7474

■ 2.7090, 2.7036,
7.1571

187.3094,
194.5669, 268.9968

■ 1.0018, 0.9790,
3.4806

228.6651,

■ 0.0000, 0.0000,

237.7208, 323.8096

1.3450

275.6997,
286.8258, 385.6043

■ 0.0000, 0.0000,
0.0982

■ 0.0000, 0.0000,
0.0000

■ 37.9710, 39.0884,
63.3011

■ 37.9710, 39.0884,
63.3011

■ 31.9626, 32.2831,
62.3049

■ 44.9358, 46.8203,
64.4271

■ 26.8634, 26.3633,
61.4310

■ 52.8940, 55.5083,
65.6846

■ 22.6276, 21.2918,
60.6753

■ 61.8848, 65.1863,
67.0788

■ 19.2037, 17.0264,
60.0325

■ 71.9445, 75.8851,
68.6136

■ 16.5344, 13.5211,
59.4966

■ 83.1074, 87.6343,
70.2931

■ 14.5540, 10.7243,
59.0612

■ 87.6600, 96.4687,
71.7584

■ 13.1826, 8.5759,
58.7187

■ 88.0196, 97.1878,
71.8782

■ 12.7362, 7.8412,
58.6005

Harmonies

Analogous

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



34.7559, 39.0884, 61.6781



37.9710, 39.0884, 63.3011



41.1450, 39.0884, 58.7452

Triad

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



37.9710, 39.0884, 63.3011



42.4413, 39.0884, 32.4412



31.5871, 39.0884, 35.9227

Complementary

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



37.9710, 39.0884, 63.3011



49.0426, 51.6419, 37.0901

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.



33.4267, 39.0884, 29.6604



37.9710, 39.0884, 63.3011



39.6565, 39.0884, 27.8682

Square

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



37.9710, 39.0884, 63.3011



43.8235, 39.0884, 40.2753



36.3456, 39.0884, 26.9316



31.1951, 39.0884, 44.9308

Rectangle

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



37.9710, 39.0884, 63.3011



42.7679, 39.0884, 53.1651



36.3456, 39.0884, 26.9316



32.0512, 39.0884, 33.4693

Sweetspot

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



37.9722, 39.0900, 63.3020



83.5630, 87.5821, 107.1085



43.8817, 53.9791, 55.8066



17.4501, 18.2718, 22.8570



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.



37.9722, 39.0900, 63.3020



56.5548, 57.6674, 102.7579



37.0916, 34.5173, 62.4658



10.8733, 11.3870, 14.1952



8.0024, 5.0287, 36.5051



0.4800, 0.3937, 1.9056

Inverse Universe

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



43.4740, 38.2640, 42.1417



67.1593, 56.4526, 61.8873



50.0786, 57.5703, 38.1798



11.3494, 11.2685, 12.3746



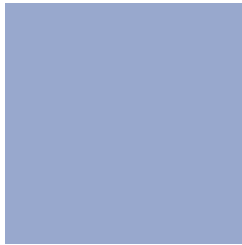
16.2501, 8.3106, 3.7698



0.8722, 0.4423, 0.3729

Previews

White Background



This preview shows how the XYZ color 37.9710, 39.0884, 63.3011 looks on a white background.

Color Contrast Check

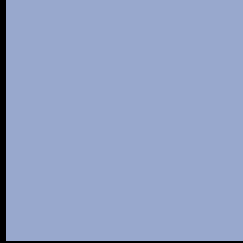
Large Text (above 18pt) WCAG AA × Fail

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 37.9710, 39.0884, 63.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

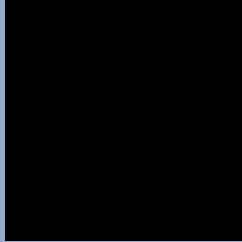
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9710, 39.0884, 63.3011

Background



This preview shows how black text looks on a background with the XYZ color 37.9710, 39.0884, 63.3011.



This preview shows how white text looks on a background with the XYZ color 37.9710, 39.0884,

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

37.9710, 39.0884, 63.3011

Protanopia

38.8334, 39.0030, 62.6083

Deuteranopia

39.9331, 39.0065, 63.8168



Tritanopia

35.5326, 38.9245, 51.5394

Trichromacy



Original Color

37.9710, 39.0884, 63.3011

Protanomaly

38.4281, 39.0650, 62.6417

Deuteranomaly

39.0929, 38.8401, 63.8290

Tritanomaly

36.2836, 38.9448, 55.4739

Monochromacy



Original Color

37.9710, 39.0884, 63.3011

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0595, 38.6550, 49.2240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9710, 39.0884, 63.3011 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(152, 168, 205)` looks like.

```
.text, #text, p{  
    color:rgb(152, 168, 205)  
}
```

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(152, 168, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 168, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.9710, 39.0884, 63.3011 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(152, 168, 205) }
```


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

```
.border{ border-color:rgb(152, 168, 205) }
```

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

Here you see how a box with a 4 pixel rgb(152, 168, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 168, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 168, 205);  
box-shadow:4px 4px 4px 4px rgb(152, 168,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9710, 39.0884, 63.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 168, 205) }
```

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

```
.background{ background-color: rgb(152,  
168, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor