

Converting Colors

XYZ(37.1562, 38.2476, 63.8171)

Have a look what the booklet for
XYZ(37.1562, 38.2476, 63.8171)
contains.

XYZ(37.1720, 38.3896, 63.8433)	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(37.1720, 38.3896,
63.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	94A7CE
RGB	148, 167, 206
RGB Percent	58%, 65%, 81%
CMY	0.4196, 0.3451, 0.1922
CMYK	0.28, 0.19, 0.00, 0.19
HSL	220°, 37%, 69%
HSV	220°, 28%, 81%
XYZ	37.1720, 38.3896, 63.8433
YIQ	165.7650, -23.8430, 8.1010

Conversions

Conversions Part 2

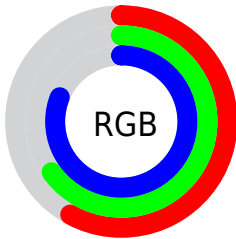
Format	Color
RYB	148, 162, 206
Decimal	9742286
CIELab	68.31, 2.26, -22.04
CIELCh	68, 22.156, 275.844
Yxy	38.3896, 0.2666, 0.2754
Android (android.graphics.Color)	4287932366 (0xFF94A7CE)
YUV	165.7650, 19.8359, -15.5799
Hunter-Lab	61.9593, -1.3392, -17.7213

Details

The XYZ color **37.1720, 38.3896, 63.8433** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.5696, 50.8007, 35.2635**, and the grayscale version is **36.0486, 37.9260, 41.3014**.

A 20% lighter version of the original color is **68.7999, 72.1591, 104.9097**, and **16.6221, 17.0153, 32.1140** is the 20% darker color. If you saturate the color by 10%, you get **31.3693, 31.8316, 62.8840**, and if you desaturate by 10%, it is **43.9121, 45.8361, 64.9260**.

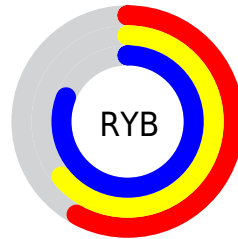
Distribution



Red (58%)

Green (65%)

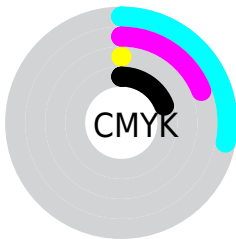
Blue (81%)



Red (58%)

Yellow (64%)

Blue (81%)

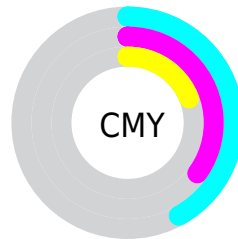


Cyan (28%)

Magenta (19%)

Yellow (0%)

Black (19%)



Cyan (42%)

Magenta (35%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1720, 38.3896, 63.8433 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 37.1720, 38.3896, 63.8433 by changing the saturation by 10% instead.

■ 37.1720, 38.3896,
63.8433

■ 37.1720, 38.3896,
63.8433

325.3972,
339.2883, 456.8155

■ 25.5150, 26.2852,
46.0784

■ 70.1494, 72.7049,
111.9825

■ 16.5919, 17.0371,
31.9586

■ 92.2004, 95.6846,
143.1939

■ 10.0375, 10.2610,
21.0653

118.4468,
123.0582, 179.7246

■ 5.4863, 5.5723,
12.9800

149.2540,
155.2101, 221.9930

■ 2.5730, 2.5868,
7.2842

184.9873,
192.5246, 270.4178

■ 0.9322, 0.9200,
3.5594

226.0120,

■ 0.0000, 0.0000,

235.3862, 325.4174

1.3869

272.6935,
284.1793, 387.4105

■ 0.0000, 0.0000,
0.1314

■ 0.0000, 0.0000,
0.0000

■ 37.1720, 38.3896,
63.8433

■ 37.1720, 38.3896,
63.8433

■ 31.3693, 31.8316,
62.8840

■ 43.9121, 45.8361,
64.9260

■ 26.4566, 26.1224,
62.0409

■ 51.6265, 54.1996,
66.1337

■ 22.3878, 21.2257,
61.3102

■ 60.3548, 63.5129,
67.4714

■ 19.1107, 17.1007,
60.6867

■ 70.1331, 73.8057,
68.9427

■ 16.5671, 13.7024,
60.1648

■ 80.9956, 85.1065,
70.5515

■ 14.6893, 10.9800,
59.7383

■ 86.6007, 94.1564,
72.0028

■ 13.3813, 8.8668,
59.3994

■ 88.1407, 97.2363,
72.5162

■ 13.1771, 8.5290,
59.3449

Harmonies

Analogous

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



33.8246, 38.3896, 61.7781



37.1720, 38.3896, 63.8433



40.5376, 38.3896, 59.2869

Triad

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



37.1720, 38.3896, 63.8433



42.1700, 38.3896, 31.5762



30.7310, 38.3896, 34.4558

Complementary

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



37.1720, 38.3896, 63.8433



48.5696, 50.8007, 35.2635

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.



32.7178, 38.3896, 28.1413



37.1720, 38.3896, 63.8433



39.2880, 38.3896, 26.6726

Square

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



37.1720, 38.3896, 63.8433



43.5383, 38.3896, 39.8835



35.8128, 38.3896, 25.5227



30.2434, 38.3896, 43.7765

Rectangle

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



37.1720, 38.3896, 63.8433



42.2944, 38.3896, 53.4757



35.8128, 38.3896, 25.5227



31.2392, 38.3896, 31.9606

Sweetspot

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



37.1732, 38.3911, 63.8442



83.7183, 87.8926, 107.1603



43.2189, 54.0129, 54.9753



17.4890, 18.3496, 22.8700



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.



37.1732, 38.3911, 63.8442



54.1616, 55.3761, 102.4418



35.7664, 32.8724, 62.8531



10.8969, 11.4343, 14.2031



8.1933, 5.4106, 36.5688



0.4919, 0.4176, 1.9096

Inverse Universe

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



43.0195, 37.0926, 41.4532



65.3423, 53.3938, 59.5079



50.2691, 58.0620, 36.5755



11.3613, 11.2733, 12.4374



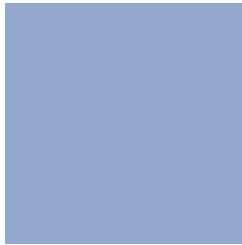
16.3465, 8.3492, 4.2774



0.8782, 0.4447, 0.4047

Previews

White Background



This preview shows how the XYZ color 37.1720, 38.3896, 63.8433 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 37.1720, 38.3896, 63.8433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

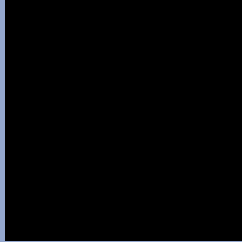
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1720, 38.3896, 63.8433

Background



This preview shows how black text looks on a background with the XYZ color 37.1720, 38.3896, 63.8433.



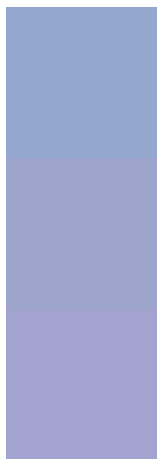
This preview shows how white text looks on a background with the XYZ color 37.1720, 38.3896,

63.8433.

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

37.1720, 38.3896, 63.8433

Protanopia

38.2588, 38.4380, 62.5296

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

34.5423, 38.4262, 50.9438

Trichromacy



Original Color

37.1720, 38.3896, 63.8433

Protanomaly

37.9821, 38.5502, 63.1967

Deuteranomaly

38.4426, 38.2240, 64.3833

Tritanomaly

35.5662, 38.5750, 55.4403

Monochromacy



Original Color

37.1720, 38.3896, 63.8433

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2748, 37.9796, 49.1350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1720, 38.3896, 63.8433 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(148, 167, 206) looks like.

```
.text, #text, p{  
    color:rgb(148, 167, 206)  
}
```

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(148, 167, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 167, 206) }
```

Border

The CSS property to change the border of an element to XYZ 37.1720, 38.3896, 63.8433 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(148, 167, 206) }
```


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

```
.border{ border-color:rgb(148, 167, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 167, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(148, 167,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1720, 38.3896, 63.8433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 167, 206) }
```

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

```
.background{ background-color: rgb(148,  
167, 206) }
```

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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