

Converting Colors

XYZ(31.9899, 31.3238, 55.4014)

Have a look what the booklet for
XYZ(31.9899, 31.3238, 55.4014)
contains.

XYZ(31.9867, 31.3192, 55.3983)	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(31.9867, 31.3192,
55.3983)**

Conversions

Conversions Part 1

Format	Color
Hex	9095C2
RGB	144, 149, 194
RGB Percent	56%, 58%, 76%
CMY	0.4353, 0.4157, 0.2392
CMYK	0.26, 0.23, 0.00, 0.24
HSL	234°, 29%, 66%
HSV	234°, 26%, 76%
XYZ	31.9867, 31.3192, 55.3983
YIQ	152.6350, -17.4250, 12.9350

Conversions

Conversions Part 2

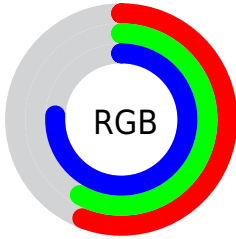
Format	Color
RYB	144, 149, 194
Decimal	9475522
CIELab	62.78, 8.23, -23.84
CIELCh	63, 25.226, 289.053
Yxy	31.3192, 0.2695, 0.2638
Android (android.graphics.Color)	4287665602 (0xFF9095C2)
YUV	152.6350, 20.3929, -7.5729
Hunter-Lab	55.9636, 4.0878, -19.5167

Details

The XYZ color **31.9867, 31.3192, 55.3983** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.4804, 49.8787, 33.6172**, and the grayscale version is **30.0403, 31.6047, 34.4176**.

A 20% lighter version of the original color is **62.3217, 61.8190, 99.9143**, and **13.5149, 12.9041, 26.5894** is the 20% darker color. If you saturate the color by 10%, you get **26.3267, 24.6040, 54.4010**, and if you desaturate by 10%, it is **38.6451, 39.1653, 56.5623**.

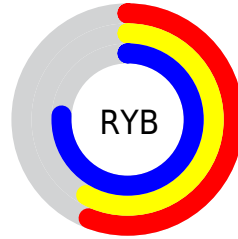
Distribution



Red (56%)

Green (58%)

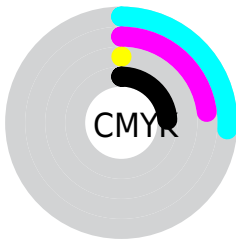
Blue (76%)



Red (56%)

Yellow (58%)

Blue (76%)

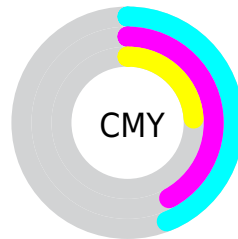


Cyan (26%)

Magenta (23%)

Yellow (0%)

Black (24%)



Cyan (44%)

Magenta (42%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9867, 31.3192, 55.3983 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 31.9867, 31.3192, 55.3983 by changing the saturation by 10% instead.

■ 31.9867, 31.3192,
55.3983

■ 31.9867, 31.3192,
55.3983

302.8050,
308.0062, 424.7444

■ 21.5068, 20.8420,
39.3200

■ 62.1556, 61.7423,
99.6013

■ 13.6096, 13.0086,
26.6990

■ 82.5753, 82.4570,
128.5630

■ 7.9295, 7.4345,
17.1168

107.0390,
107.3530, 162.6562

■ 4.1013, 3.7353,
10.1550

135.9121,
136.8146, 202.2996

■ 1.7596, 1.5266,
5.3949

169.5599,
171.2264, 247.9115

■ 0.4931, 0.3073,
2.4180

208.3477,

■ 0.0000, 0.0000,

210.9727, 299.9106

0.7962

252.6410,
256.4378, 358.7154

■ 0.0000, 0.0000,
0.0000

■ 31.9867, 31.3192,
55.3983

■ 31.9867, 31.3192,
55.3983

■ 26.3267, 24.6040,
54.4010

■ 38.6451, 39.1653,
56.5623

■ 21.6139, 18.9640,
53.5607

■ 46.3438, 48.1872,
57.8980

■ 17.7972, 14.3440,
52.8702

■ 55.1259, 58.4320,
59.4126

■ 14.8194, 10.6829,
52.3204

■ 65.0311, 69.9432,
61.1124

■ 12.6166, 7.9125,
51.9018

■ 76.0972, 82.7619,
63.0034

■ 11.1156, 5.9559,
51.6033

■ 86.3443, 95.8883,
64.9970

■ 10.2274, 4.7220,
51.4119

■ 86.7377, 96.6751,
65.1281

■ 9.9774, 4.3745,
51.3580

Harmonies

Analogous

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



28.5258, 31.3192, 56.3646



31.9867, 31.3192, 55.3983



35.0655, 31.3192, 48.1306

Triad

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



31.9867, 31.3192, 55.3983



34.3310, 31.3192, 21.6689



23.7178, 31.3192, 30.6189

Complementary

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



31.9867, 31.3192, 55.3983



45.4804, 49.8787, 33.6172

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.



25.0328, 31.3192, 23.1033



31.9867, 31.3192, 55.3983



31.0457, 31.3192, 18.6413

Square

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



31.9867, 31.3192, 55.3983



36.4896, 31.3192, 28.2671



27.6543, 31.3192, 19.1100



23.9270, 31.3192, 40.6876

Rectangle

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



31.9867, 31.3192, 55.3983



36.4038, 31.3192, 41.3550



27.6543, 31.3192, 19.1100



23.9919, 31.3192, 27.7496

Sweetspot

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



31.9877, 31.3204, 55.3990



80.5041, 83.2568, 104.2969



39.8893, 48.1516, 54.8637



17.1491, 17.6699, 22.7567



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.



31.9877, 31.3204, 55.3990



51.8715, 49.5402, 99.2981



34.8502, 31.6468, 55.3111



9.6076, 9.9064, 12.6906



6.5885, 2.9334, 33.7756



0.3126, 0.1826, 1.4687

Inverse Universe

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



37.6471, 33.5869, 32.9337



63.9262, 54.5034, 51.4160



41.9684, 49.6926, 33.7664



10.1132, 10.0939, 10.6867



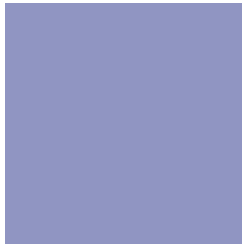
14.7215, 7.5784, 1.1797



0.6502, 0.3331, 0.1252

Previews

White Background



This preview shows how the XYZ color 31.9867, 31.3192, 55.3983 looks on a white background.

Color Contrast Check

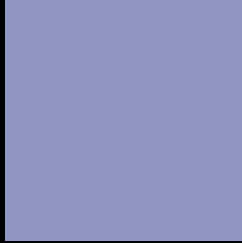
Large Text (above 18pt) WCAG AA × Fail

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 31.9867, 31.3192, 55.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

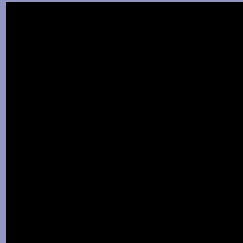
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9867, 31.3192, 55.3983

Background



This preview shows how black text looks on a background with the XYZ color 31.9867, 31.3192, 55.3983.



This preview shows how white text looks on a background with the XYZ color 31.9867, 31.3192,

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

31.9867, 31.3192, 55.3983

Protanopia

31.5719, 31.3283, 56.0127

Deuteranopia

31.9867, 31.3192, 55.3983



Tritanopia

28.9198, 31.2676, 40.5874

Trichromacy



Original Color

31.9867, 31.3192, 55.3983

Protanomaly

31.7412, 31.4155, 56.0206

Deuteranomaly

31.9867, 31.3192, 55.3983

Tritanomaly

29.8799, 31.1665, 45.5152

Monochromacy



Original Color

31.9867, 31.3192, 55.3983

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.8738, 31.7677, 41.5503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9867, 31.3192, 55.3983 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(144, 149, 194)` looks like.

```
.text, #text, p{  
    color:rgb(144, 149, 194)  
}
```

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(144, 149, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 149, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.9867, 31.3192, 55.3983 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(144, 149, 194) }
```


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

```
.border{ border-color:rgb(144, 149, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 149, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 149, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 149, 194);  
box-shadow:4px 4px 4px 4px rgb(144, 149,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9867, 31.3192, 55.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 149, 194) }
```

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

```
.background{ background-color: rgb(144,  
149, 194) }
```

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