

# Converting Colors

XYZ(33.2854, 31.4452, 59.4137)

Have a look what the booklet for  
XYZ(33.2854, 31.4452, 59.4137)  
contains.

<b>XYZ(33.3708, 31.4740, 59.5746)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(33.3708, 31.4740,  
59.5746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9593C9
RGB	149, 147, 201
RGB Percent	58%, 58%, 79%
CMY	0.4157, 0.4235, 0.2118
CMYK	0.26, 0.27, 0.00, 0.21
HSL	242°, 33%, 68%
HSV	242°, 27%, 79%
XYZ	33.3708, 31.4740, 59.5746
YIQ	153.7540, -16.1420, 17.2180

# Conversions

## Conversions Part 2

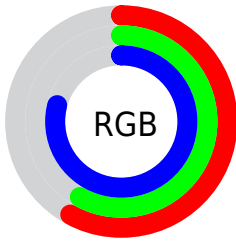
Format	Color
<a href="#">RYB</a>	<a href="#">149, 147, 201</a>
Decimal	<a href="#">9802697</a>
CIELab	<a href="#">62.91, 12.62, -27.54</a>
CIELCh	<a href="#">63, 30.291, 294.626</a>
Yxy	<a href="#">31.4740, 0.2682, 0.2530</a>
Android (android.graphics.Color)	<a href="#">4287992777</a> ( <a href="#">0xFF9593C9</a> )
YUV	<a href="#">153.7540, 23.2923, -4.1693</a>
Hunter-Lab	<a href="#">56.1017, 7.9986, -23.6891</a>

# Details

The XYZ color **33.3708, 31.4740, 59.5746** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.7069, 56.0226, 35.7985**, and the grayscale version is **30.5145, 32.1036, 34.9609**.

A 20% lighter version of the original color is **63.8385, 61.8307, 103.1776**, and **14.4709, 13.1974, 29.3884** is the 20% darker color. If you saturate the color by 10%, you get **27.2715, 24.0887, 58.4711**, and if you desaturate by 10%, it is **40.6052, 40.2565, 60.8890**.

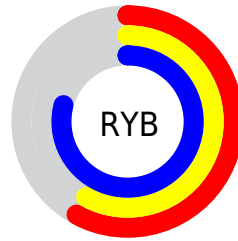
# Distribution



Red (58%)

Green (58%)

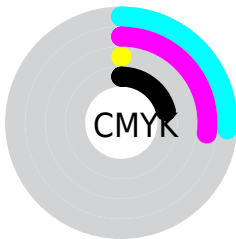
Blue (79%)



Red (58%)

Yellow (58%)

Blue (79%)

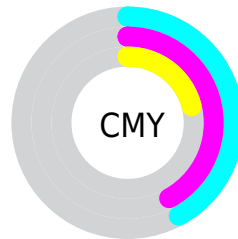


Cyan (26%)

Magenta (27%)

Yellow (0%)

Black (21%)



Cyan (42%)

Magenta (42%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3708, 31.4740, 59.5746 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 33.3708, 31.4740, 59.5746 by changing the saturation by 10% instead.



■ 33.3708, 31.4740,  
59.5746

■ 33.3708, 31.4740,  
59.5746

308.9528,  
308.7161, 440.7890

■ 22.5712, 20.9601,  
42.6528

■ 64.3048, 61.9856,  
105.7496

■ 14.3962, 13.0948,  
29.2834

■ 85.1700, 82.7520,  
135.8400

■ 8.4803, 7.4939,  
19.0479

110.1211,  
107.7047, 171.1569

■ 4.4581, 3.7728,  
11.5277

139.5235,  
137.2280, 212.1189

■ 1.9644, 1.5473,  
6.3044

173.7425,  
171.7065, 259.1446

■ 0.6139, 0.3217,  
2.9593

213.1435,

■ 0.0000, 0.0000,

211.5244, 312.6525

1.0739

258.0918,  
257.0661, 373.0611

■ 0.0000, 0.0000,  
0.0000

■ 33.3708, 31.4740,  
59.5746

■ 33.3708, 31.4740,  
59.5746

■ 27.2715, 24.0887,  
58.4711

■ 40.6052, 40.2565,  
60.8890

■ 22.2466, 18.0251,  
57.5655

■ 49.0248, 50.4990,  
62.4223

■ 18.2350, 13.2063,  
56.8469

■ 58.6807, 62.2652,  
64.1845

■ 15.1676, 9.5459,  
56.3020

■ 69.6198, 75.6137,  
66.1844

■ 12.9672, 6.9466,  
55.9163

■ 81.8868, 90.6001,  
68.4305

■ 11.5441, 5.2950,  
55.6725

■ 87.5427, 96.9971,  
69.3672

■ 10.7848, 4.4434,  
55.5481

■ 10.6359, 4.2651,  
55.5216

# Harmonies

## Analogous

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



29.1728, 31.4740, 62.4854



33.3708, 31.4740, 59.5746



36.9171, 31.4740, 49.3031

# Triad

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



33.3708, 31.4740, 59.5746



34.7849, 31.4740, 18.7884



22.6421, 31.4740, 32.1704

# Complementary

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



33.3708, 31.4740, 59.5746



49.7069, 56.0226, 35.7985

# 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.



23.8596, 31.4740, 22.6528



33.3708, 31.4740, 59.5746



30.6699, 31.4740, 16.1583

# Square

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



33.3708, 31.4740, 59.5746



37.7851, 31.4740, 25.5889



26.7066, 31.4740, 17.3886



23.2216, 31.4740, 44.7207



# Rectangle

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



33.3708, 31.4740, 59.5746



38.3027, 31.4740, 40.7039



26.7066, 31.4740, 17.3886



22.8511, 31.4740, 28.5523

# Sweetspot

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



33.3718, 31.4753, 59.5753



82.0224, 84.1306, 106.5235



43.0455, 51.3598, 62.9036



17.0652, 17.4098, 22.7109



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.



33.3718, 31.4753, 59.5753



51.0706, 46.5402, 100.8992



38.8366, 34.2924, 59.8311



10.0924, 10.3059, 13.3748



6.7045, 2.6905, 34.9103



0.3304, 0.1341, 1.6536



# Inverse Universe

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



44.8307, 37.4095, 58.8912



73.8275, 58.3276, 99.4440



43.2111, 52.6739, 35.4945



11.0655, 10.8096, 13.3281



21.2443, 10.2473, 32.8260



1.0113, 0.4874, 1.5829



# Previews

## White Background



This preview shows how the XYZ color 33.3708, 31.4740, 59.5746 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 33.3708, 31.4740, 59.5746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

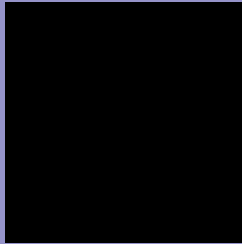
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.3708, 31.4740, 59.5746**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3708, 31.4740, 59.5746.



This preview shows how white text looks on a background with the XYZ color 33.3708, 31.4740,



# 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

33.3708, 31.4740, 59.5746

### Protanopia

32.0024, 31.4429, 60.8823

### Deuteranopia

32.3162, 31.6455, 59.0485



## Tritanopia

29.5939, 31.6152, 40.6190

# Trichromacy



## Original Color

33.3708, 31.4740, 59.5746

## Protanomaly

32.3926, 31.4219, 60.2349

## Deuteranomaly

32.6744, 31.5943, 59.0198

## Tritanomaly

30.8803, 31.4076, 47.0825

# Monochromacy



## Original Color

33.3708, 31.4740, 59.5746

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

31.3662, 31.7489, 43.0030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3708, 31.4740, 59.5746 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(149, 147, 201)` looks like.

```
.text, #text, p{  
    color:rgb(149, 147, 201)  
}
```

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(149, 147, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 147, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3708, 31.4740, 59.5746 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(149, 147, 201) }
```



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

```
.border{ border-color:rgb(149, 147, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 147, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 147, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 147, 201);  
box-shadow:4px 4px 4px 4px rgb(149, 147,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3708, 31.4740, 59.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 147, 201) }
```

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

```
.background{ background-color: rgb(149,  
147, 201) }
```

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