

Converting Colors

XYZ(31.6584, 31.2187, 49.4851)

Have a look what the booklet for
XYZ(31.6584, 31.2187, 49.4851)
contains.

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Color

**XYZ(31.7936, 31.3451,
49.7219)**

Conversions

Conversions Part 1

Format	Color
Hex	9595B8
RGB	149, 149, 184
RGB Percent	58%, 58%, 72%
CMY	0.4157, 0.4157, 0.2784
CMYK	0.19, 0.19, 0.00, 0.28
HSL	240°, 20%, 65%
HSV	240°, 19%, 72%
XYZ	31.7936, 31.3451, 49.7219
YIQ	152.9900, -11.2350, 10.8850

Conversions

Conversions Part 2

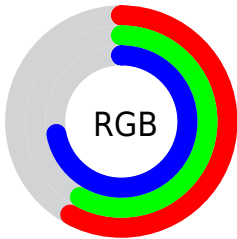
Format	Color
RYB	149, 149, 184
Decimal	9803192
CIELab	62.80, 7.44, -18.16
CIElCh	63, 19.621, 292.284
Yxy	31.3451, 0.2817, 0.2777
Android (android.graphics.Color)	4287993272 (0xFF9595B8)
YUV	152.9900, 15.2879, -3.4992
Hunter-Lab	55.9867, 3.3895, -13.4649

Details

The XYZ color **31.7936, 31.3451, 49.7219** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.3328, 46.6414, 35.2062**, and the grayscale version is **30.2138, 31.7873, 34.6163**.

A 20% lighter version of the original color is **61.7127, 61.6997, 91.0947**, and **13.5014, 12.9707, 23.2647** is the 20% darker color. If you saturate the color by 10%, you get **26.0135, 24.3806, 48.6828**, and if you desaturate by 10%, it is **38.5659, 39.5053, 50.9406**.

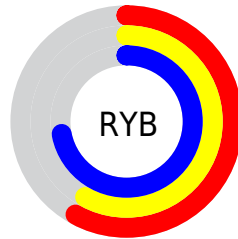
Distribution



Red (58%)

Green (58%)

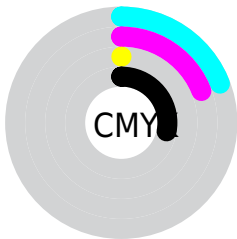
Blue (72%)



Red (58%)

Yellow (58%)

Blue (72%)

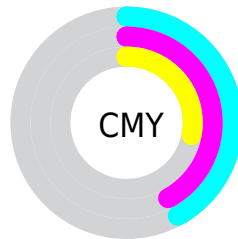


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (28%)



Cyan (42%)

Magenta (42%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7936, 31.3451, 49.7219 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 31.7936, 31.3451, 49.7219 by changing the saturation by 10% instead.

■ 31.7936, 31.3451,
49.7219

■ 31.7936, 31.3451,
49.7219

301.9400,
308.1251, 402.2813

■ 21.3587, 20.8618,
34.8228

■ 61.8548, 61.7830,
91.1548

■ 13.5004, 13.0230,
23.2440

■ 82.2117, 82.5063,
118.5256

■ 7.8534, 7.4444,
14.5668

106.6067,
107.4118, 150.8909

■ 4.0523, 3.7415,
8.3727

135.4051,
136.8838, 188.6690

■ 1.7318, 1.5301,
4.2432

168.9723,
171.3068, 232.2786

■ 0.4760, 0.3097,
1.7597

207.6736,

■ 0.0000, 0.0000,

211.0650, 282.1381

0.4011

251.8744,
256.5430, 338.6662

■ 0.0000, 0.0000,
0.0000

■ 31.7936, 31.3451,
49.7219

■ 31.7936, 31.3451,
49.7219

■ 26.0135, 24.3806,
48.6828

■ 38.5659, 39.5053,
50.9406

■ 21.1764, 18.5522,
47.8127

■ 46.3708, 48.9096,
52.3444

■ 17.2330, 13.8006,
47.1034

■ 55.2500, 59.6084,
53.9415

■ 14.1286, 10.0601,
46.5450

■ 65.2422, 71.6482,
55.7388

■ 11.8027, 7.2574,
46.1267

■ 76.3839, 85.0731,
57.7428

■ 10.1862, 5.3096,
45.8359

■ 85.6518, 96.2407,
59.4099

■ 9.1982, 4.1192,
45.6582

■ 8.6940, 3.5116,
45.5675

■ 8.6519, 3.4609,
45.5599

Harmonies

Analogous

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



29.1047, 31.3451, 50.9795



31.7936, 31.3451, 49.7219



34.0664, 31.3451, 43.9981

Triad

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



31.7936, 31.3451, 49.7219



33.0641, 31.3451, 23.7178



24.9635, 31.3451, 32.1823

Complementary

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



31.7936, 31.3451, 49.7219



42.3328, 46.6414, 35.2062

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.



25.8921, 31.3451, 25.8593



31.7936, 31.3451, 49.7219



30.4912, 31.3451, 21.4735

Square

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



31.7936, 31.3451, 49.7219



34.8300, 31.3451, 28.8239



27.8773, 31.3451, 22.1940



25.2659, 31.3451, 40.0492

Rectangle

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



31.7936, 31.3451, 49.7219



34.9865, 31.3451, 38.8298



27.8773, 31.3451, 22.1940



25.1400, 31.3451, 29.8246

Sweetspot

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



31.7946, 31.3464, 49.7226



73.8456, 76.3549, 93.0505



38.1263, 44.1074, 51.5321



15.7296, 16.2316, 20.0256



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.7946, 31.3464, 49.7226



52.8467, 51.0528, 89.2735



35.1083, 33.0544, 49.8776



8.5212, 8.7195, 11.3134



5.9628, 2.3852, 31.3992



0.2102, 0.0841, 1.1069

Inverse Universe

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



35.9402, 33.8560, 33.0757



61.8040, 56.4753, 53.3051



38.5199, 44.6761, 35.0278



9.0046, 9.0122, 9.3719



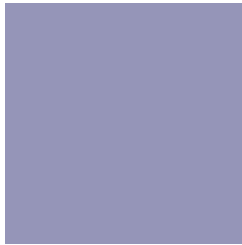
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 31.7936, 31.3451, 49.7219 looks on a white background.

Color Contrast Check

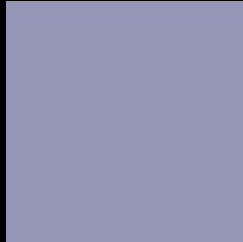
Large Text (above 18pt) WCAG AA × Fail

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 31.7936, 31.3451, 49.7219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

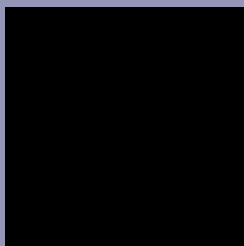
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7936, 31.3451, 49.7219

Background



This preview shows how black text looks on a background with the XYZ color 31.7936, 31.3451, 49.7219.



This preview shows how white text looks on a background with the XYZ color 31.7936, 31.3451,

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

31.7936, 31.3451, 49.7219

Protanopia

31.1649, 31.2448, 50.2872

Deuteranopia

31.9769, 31.4396, 49.7305



Tritanopia

29.6968, 31.1928, 40.0529

Trichromacy



Original Color

31.7936, 31.3451, 49.7219

Protanomaly

31.5174, 31.4265, 50.3037

Deuteranomaly

31.9769, 31.4396, 49.7305

Tritanomaly

30.3671, 31.2228, 43.4558

Monochromacy



Original Color

31.7936, 31.3451, 49.7219

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.8780, 31.8122, 39.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7936, 31.3451, 49.7219 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, 149, 184)` looks like.

```
.text, #text, p{  
    color:rgb(149, 149, 184)  
}
```

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, 149, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 149, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.7936, 31.3451, 49.7219 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, 149, 184) }
```


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

```
.border{ border-color:rgb(149, 149, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 149, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 149, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 149, 184);  
box-shadow:4px 4px 4px 4px rgb(149, 149,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7936, 31.3451, 49.7219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 149, 184) }
```

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

```
.background{ background-color: rgb(149,  
149, 184) }
```

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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