

Converting Colors

XYZ(29.8378, 31.1682, 33.7219)

Have a look what the booklet for
XYZ(29.8378, 31.1682, 33.7219)
contains.

XYZ(29.7894, 31.1399, 33.7187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(29.7894, 31.1399,
33.7187)**

Conversions

Conversions Part 1

Format	Color
Hex	999797
RGB	153, 151, 151
RGB Percent	60%, 59%, 59%
CMY	0.4000, 0.4078, 0.4078
CMYK	0.00, 0.01, 0.01, 0.40
HSL	0°, 1%, 60%
HSV	0°, 1%, 60%
XYZ	29.7894, 31.1399, 33.7187
YIQ	151.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

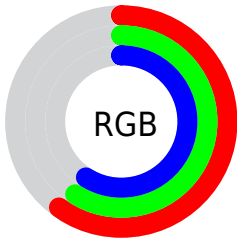
Format	Color
R_{YB}	153, 151, 151
Decimal	10065815
CIE Lab	62.63, 0.73, 0.25
CIE LCh	63, 0.772, 18.898
Yxy	31.1399, 0.3147, 0.3290
Android (android.graphics.Color)	4288255895 (0xFF999797)
YUV	151.5980, -0.2948, 1.2296
Hunter-Lab	55.8031, -2.3668, 3.2366

Details

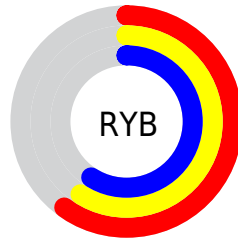
The XYZ color **29.7894, 31.1399, 33.7187** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9035, 31.6613, 34.6726**, and the grayscale version is **29.6735, 31.2188, 33.9973**.

A 20% lighter version of the original color is **58.5829, 61.3358, 66.5090**, and **12.3369, 12.8592, 13.8884** is the 20% darker color. If you saturate the color by 10%, you get **26.3251, 26.0722, 26.8263**, and if you desaturate by 10%, it is **33.7355, 36.9122, 41.5682**.

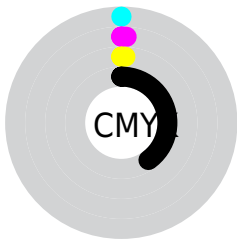
Distribution



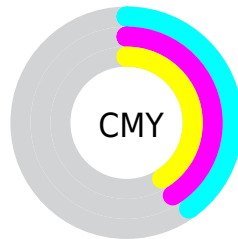
- Red (60%)
- Green (59%)
- Blue (59%)



- Red (60%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (40%)



- Cyan (40%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7894, 31.1399, 33.7187 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 29.7894, 31.1399, 33.7187 by changing the saturation by 10% instead.

■ 29.7894, 31.1399,
33.7187

■ 29.7894, 31.1399,
33.7187

292.8490,
307.1823, 333.6067

■ 19.8261, 20.7054,
22.4020

■ 58.7179, 61.4603,
66.6249

■ 12.3762, 12.9088,
13.9514

■ 78.4137, 82.1149,
89.0514

■ 7.0744, 7.3658,
7.9485

102.0845,
106.9451, 116.0183

■ 3.5554, 3.6919,
3.9747

130.0955,
136.3351, 147.9440

■ 1.4538, 1.5028,
1.6115

162.8121,
170.6695, 185.2472

■ 0.2941, 0.2907,
0.2990

200.5996,

■ 0.0000, 0.0000,

210.3326, 228.3463

0.0000

243.8235,
255.7087, 277.6600

■ 29.7894, 31.1399,
33.7187

■ 29.7894, 31.1399,
33.7187

■ 26.3251, 26.0722,
26.8263

■ 33.7355, 36.9122,
41.5682

■ 23.3217, 21.6784,
20.8523

■ 38.1780, 43.4105,
50.4071

■ 20.7604, 17.9312,
15.7587

■ 43.1343, 50.6602,
60.2691

■ 18.6205, 14.8002,
11.5038

■ 48.6202, 58.6842,
71.1853

■ 16.8794, 12.2524,
8.0427

■ 54.6507, 67.5045,
83.1858

■ 15.5125, 10.2518,
5.3262

■ 61.2401, 77.1422,
96.2993

■ 14.4922, 8.7583,
3.2998

■ 66.9471, 85.5124,
107.5848

■ 13.7876, 7.7265,
1.9013

■ 13.3619, 7.1027,
1.0577

Harmonies

Analogous

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



29.7966, 31.1399, 34.0178



29.7894, 31.1399, 33.7187



29.7308, 31.1399, 33.4712

Triad

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



29.7894, 31.1399, 33.7187



29.4453, 31.1399, 33.5265



29.5586, 31.1399, 34.4779

Complementary

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



29.7894, 31.1399, 33.7187



29.9035, 31.6613, 34.6726

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.



29.4647, 31.1399, 34.3446



29.7894, 31.1399, 33.7187



29.3994, 31.1399, 33.7946

Square

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



29.7894, 31.1399, 33.7187



29.5320, 31.1399, 33.3607



29.4065, 31.1399, 34.0941



29.6631, 31.1399, 34.4573

Rectangle

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



29.7894, 31.1399, 33.7187



29.6705, 31.1399, 33.3683



29.4065, 31.1399, 34.0941



29.5247, 31.1399, 34.4496

Sweetspot

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



29.7903, 31.1412, 33.7194



54.2243, 57.0482, 62.1254



29.9537, 31.2059, 34.5820



11.9732, 12.5967, 13.7178



72.9764, 76.7769, 83.6100

Same Dimension

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



29.7903, 31.1412, 33.7194



52.8670, 55.0627, 59.4253



29.9515, 31.4636, 33.7731



6.8035, 7.0930, 7.6617



10.8594, 5.6013, 0.5088



0.1625, 0.0840, 0.0077

Inverse Universe

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



29.9035, 31.6613, 34.6726



53.1819, 56.5090, 62.0763



29.7410, 31.3362, 34.6184



6.8402, 7.2612, 7.9700



14.1393, 20.6752, 28.1532



0.2116, 0.3095, 0.4210

Previews

White Background



This preview shows how the XYZ color 29.7894, 31.1399, 33.7187 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 29.7894, 31.1399, 33.7187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

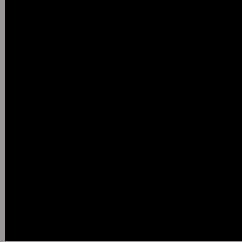
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

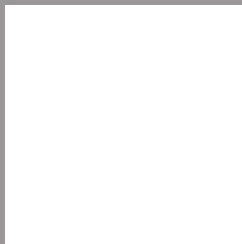
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7894, 31.1399, 33.7187

Background



This preview shows how black text looks on a background with the XYZ color 29.7894, 31.1399, 33.7187.

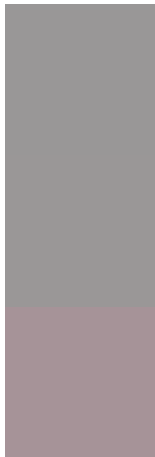


This preview shows how white text looks on a background with the XYZ color 29.7894, 31.1399,

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

29.7894, 31.1399, 33.7187

Protanopia

29.9789, 31.2376, 33.7276

Deuteranopia

31.8271, 31.2414, 34.0585



Tritanopia

30.6980, 31.0367, 38.0909

Trichromacy



Original Color

29.7894, 31.1399, 33.7187

Protanomaly

29.9789, 31.2376, 33.7276

Deuteranomaly

30.9553, 31.0239, 34.0624

Tritanomaly

30.3186, 31.1170, 36.3065

Monochromacy



Original Color

29.7894, 31.1399, 33.7187

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8446, 31.3989, 34.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7894, 31.1399, 33.7187 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(153, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(153, 151, 151)  
}
```

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(153, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 151, 151) }
```

Border

The CSS property to change the border of an element to XYZ 29.7894, 31.1399, 33.7187 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(153, 151, 151) }
```

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

```
.border{ border-color:rgb(153, 151, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 151, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(153, 151,  
151) }
```


Background

The CSS property to change the background color of an element to XYZ 29.7894, 31.1399, 33.7187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 151, 151) }
```

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

```
.background{ background-color: rgb(153,  
151, 151) }
```

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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