

Converting Colors

XYZ(30.9720, 31.1981, 26.5797)

Have a look what the booklet for
XYZ(30.9720, 31.1981, 26.5797)
contains.

XYZ(30.9720, 31.1981, 26.5797)	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(30.9720, 31.1981,
26.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	A89485
RGB	168, 148, 133
RGB Percent	66%, 58%, 52%
CMY	0.3412, 0.4196, 0.4784
CMYK	0.00, 0.12, 0.21, 0.34
HSL	26°, 17%, 59%
HSV	26°, 21%, 66%
XYZ	30.9720, 31.1981, 26.5797
YIQ	152.2700, 16.7350, -0.4250

Conversions

Conversions Part 2

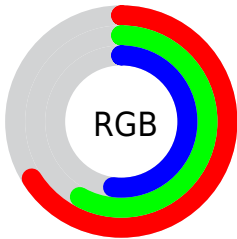
Format	Color
RYB	168, 159, 133
Decimal	11048069
CIELab	62.67, 4.96, 10.65
CIELCh	63, 11.747, 65.047
Yxy	31.1981, 0.3490, 0.3515
Android (android.graphics.Color)	4289238149 (0xFFA89485)
YUV	152.2700, -9.5001, 13.7952
Hunter-Lab	55.8553, 1.2324, 10.8845

Details

The XYZ color **30.9720, 31.1981, 26.5797** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1318, 30.5954, 41.4688**, and the grayscale version is **29.9970, 31.5592, 34.3680**.

A 20% lighter version of the original color is **60.4149, 61.4742, 55.1359**, and **13.0385, 12.8869, 9.9838** is the 20% darker color. If you saturate the color by 10%, you get **28.4595, 27.8842, 20.4666**, and if you desaturate by 10%, it is **33.7968, 34.8389, 33.7136**.

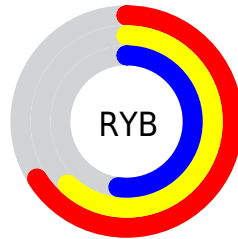
Distribution



Red (66%)

Green (58%)

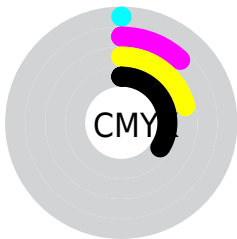
Blue (52%)



Red (66%)

Yellow (62%)

Blue (52%)

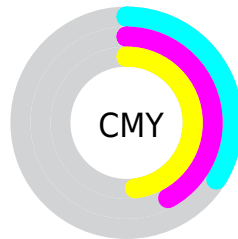


Cyan (0%)

Magenta (12%)

Yellow (21%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9720, 31.1981, 26.5797 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 30.9720, 31.1981, 26.5797 by changing the saturation by 10% instead.

■ 30.9720, 31.1981,
26.5797

■ 30.9720, 31.1981,
26.5797

298.2385,
307.4499, 299.3118

■ 20.7292, 20.7497,
17.0282

■ 60.5721, 61.5518,
55.2042

■ 13.0376, 12.9412,
10.0924

■ 80.6602, 82.2260,
75.1142

■ 7.5316, 7.3881,
5.3539

■ 104.7608,
107.0775, 99.3142

■ 3.8460, 3.7060,
2.3940

133.2392,
136.4909, 128.2227

■ 1.6154, 1.5105,
0.7832

166.4608,
170.8504, 162.2581

■ 0.4024, 0.2961,
0.0000

204.7910,

■ 0.0000, 0.0000,

210.5405, 201.8391

0.0000

248.5951,
255.9455, 247.3841

■ 30.9720, 31.1981,
26.5797

■ 30.9720, 31.1981,
26.5797

■ 28.4595, 27.8842,
20.4666

■ 33.7968, 34.8389,
33.7136

■ 26.2448, 24.8833,
15.3248

■ 36.9424, 38.8113,
41.9105

■ 24.3163, 22.1867,
11.1039

■ 40.4202, 43.1256,
51.2127

■ 22.6601, 19.7839,
7.7479

■ 44.2403, 47.7901,
61.6597

■ 21.2613, 17.6633,
5.1946

■ 48.4122, 52.8129,
73.2889

■ 20.1032, 15.8126,
3.3734

■ 52.9451, 58.2017,
86.1359

■ 19.1664, 14.2180,
2.2012

■ 57.8480, 63.9640,
100.2351

■ 18.4670, 12.9618,
1.5286

■ 61.0674, 69.2826,
104.7620

■ 63.7325, 74.6127,
105.6504

Harmonies

Analogous

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



32.2479, 31.1981, 29.1494



30.9720, 31.1981, 26.5797



29.3826, 31.1981, 25.9148

Triad

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



30.9720, 31.1981, 26.5797



26.6879, 31.1981, 34.7517



31.4579, 31.1981, 41.7190

Complementary

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



30.9720, 31.1981, 26.5797



28.1318, 30.5954, 41.4688

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.



29.9248, 31.1981, 43.5408



30.9720, 31.1981, 26.5797



27.2009, 31.1981, 39.2935

Square

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



30.9720, 31.1981, 26.5797



26.9458, 31.1981, 30.3806



28.3717, 31.1981, 42.6157



32.5354, 31.1981, 37.8304

Rectangle

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



30.9720, 31.1981, 26.5797



28.3673, 31.1981, 26.5849



28.3717, 31.1981, 42.6157



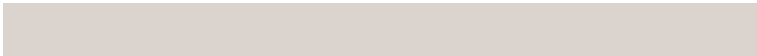
30.9767, 31.1981, 42.6086

Sweetspot

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



30.9728, 31.1995, 26.5804



63.9507, 66.5480, 67.9575



30.3205, 27.4140, 34.0114



13.8625, 14.4086, 14.6142



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.9728, 31.1995, 26.5804



54.0258, 53.7607, 42.8767



33.8525, 36.9589, 27.5403



7.7856, 8.0513, 7.9330



13.9944, 9.8861, 1.1706



0.3916, 0.3428, 0.0455

Inverse Universe

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



28.1318, 30.5954, 41.4688



47.9282, 52.4623, 74.8252



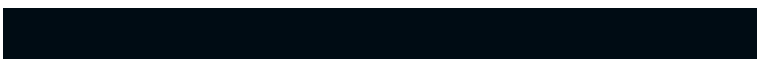
25.5335, 25.3989, 40.6028



7.4742, 7.9852, 9.5657



8.5466, 8.5535, 29.1760



0.2572, 0.3066, 0.7263

Previews

White Background



This preview shows how the XYZ color 30.9720, 31.1981, 26.5797 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 30.9720, 31.1981, 26.5797 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 30.9720, 31.1981, 26.5797

Background



This preview shows how black text looks on a background with the XYZ color 30.9720, 31.1981, 26.5797.



This preview shows how white text looks on a background with the XYZ color 30.9720, 31.1981,

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

30.9720, 31.1981, 26.5797

Protanopia

29.5403, 31.1516, 27.3776

Deuteranopia

31.7461, 31.1355, 26.5268



Tritanopia

32.9207, 31.3090, 35.7606

Trichromacy



Original Color

30.9720, 31.1981, 26.5797

Protanomaly

30.1097, 31.2153, 26.9925

Deuteranomaly

31.4619, 31.2188, 26.5579

Tritanomaly

32.2017, 31.2419, 32.3501

Monochromacy



Original Color

30.9720, 31.1981, 26.5797

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2780, 31.4467, 31.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9720, 31.1981, 26.5797 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(168, 148, 133)` looks like.

```
.text, #text, p{  
    color:rgb(168, 148, 133)  
}
```

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(168, 148, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 148, 133) }
```

Border

The CSS property to change the border of an element to XYZ 30.9720, 31.1981, 26.5797 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(168, 148, 133) }
```


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

```
.border{ border-color:rgb(168, 148, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 148, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 148, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 148, 133);  
box-shadow:4px 4px 4px 4px rgb(168, 148,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9720, 31.1981, 26.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 148, 133) }
```

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

```
.background{ background-color: rgb(168,  
148, 133) }
```

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