

Converting Colors

XYZ(31.6718, 31.1936, 24.0253)

Have a look what the booklet for
XYZ(31.6718, 31.1936, 24.0253)
contains.

XYZ(31.7240, 31.1781, 24.0846)	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(31.7240, 31.1781,
24.0846)**

Conversions

Conversions Part 1

Format	Color
Hex	AF927E
RGB	175, 146, 126
RGB Percent	69%, 57%, 49%
CMY	0.3137, 0.4274, 0.5059
CMYK	0.00, 0.17, 0.28, 0.31
HSL	24°, 23%, 59%
HSV	24°, 28%, 69%
XYZ	31.7240, 31.1781, 24.0846
YIQ	152.3910, 23.7040, -0.0720

Conversions

Conversions Part 2

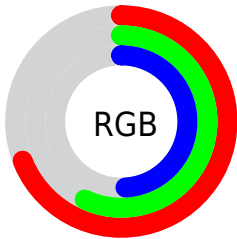
Format	Color
RYB	175, 160, 126
Decimal	11506302
CIELab	62.66, 7.79, 14.66
CIELCh	63, 16.603, 62.016
Yxy	31.1781, 0.3647, 0.3584
Android (android.graphics.Color)	4289696382 (0xFFAF927E)
YUV	152.3910, -13.0108, 19.8281
Hunter-Lab	55.8374, 3.6994, 13.5123

Details

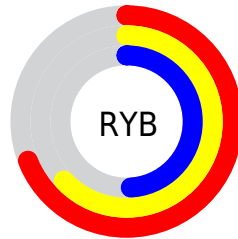
The XYZ color **31.7240, 31.1781, 24.0846** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **28.0631, 30.9726, 45.0568**, and the grayscale version is **30.0620, 31.6276, 34.4425**.

A 20% lighter version of the original color is **61.7460, 61.5522, 51.2742**, and **13.5485, 13.0391, 8.8239** is the 20% darker color. If you saturate the color by 10%, you get **29.1676, 27.7169, 18.1402**, and if you desaturate by 10%, it is **34.6243, 35.0104, 31.1189**.

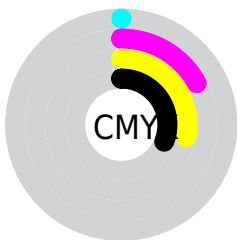
Distribution



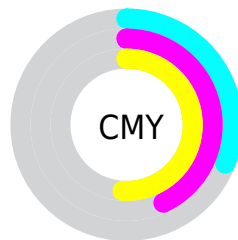
- Red (69%)
- Green (57%)
- Blue (49%)



- Red (69%)
- Yellow (63%)
- Blue (49%)



- Cyan (0%)
- Magenta (17%)
- Yellow (28%)
- Black (31%)





- Cyan (31%)
- Magenta (43%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7240, 31.1781, 24.0846 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 31.7240, 31.1781, 24.0846 by changing the saturation by 10% instead.


 31.7240, 31.1781,
24.0846


 31.7240, 31.1781,
24.0846


301.6277,
307.3580, 286.5482


 21.3053, 20.7345,
15.1836


 61.7463, 61.5204,
51.1138

 13.4611, 12.9301,
8.8003


 82.0806, 82.1878,
70.0791

 7.8260, 7.3804,
4.5161


 106.4508,
107.0320, 93.2362

 4.0347, 3.7011,
1.9125

135.2222,
136.4374, 121.0037

 1.7218, 1.5078,
0.5007

168.7603,
170.7882, 153.8001

 0.4698, 0.2942,
0.0000

207.4303,

 0.0000, 0.0000,

210.4690, 192.0439

0.0000

251.5977,
255.8641, 236.1538

■ 31.7240, 31.1781,
24.0846

■ 31.7240, 31.1781,
24.0846

■ 29.1676, 27.7169,
18.1402

■ 34.6243, 35.0104,
31.1189

■ 26.9384, 24.6108,
13.2283

■ 37.8792, 39.2208,
39.2927

■ 25.0221, 21.8488,
9.2892

■ 41.5020, 43.8213,
48.6548

■ 23.4021, 19.4175,
6.2560

■ 45.5045, 48.8221,
59.2506

■ 22.0600, 17.3027,
4.0535

■ 49.8980, 54.2330,
71.1231

■ 20.9748, 15.4885,
2.5936

■ 54.6932, 60.0635,
84.3131

■ 20.1149, 13.9545,
1.7339

■ 59.9006, 66.3227,
98.8598

■ 19.9607, 13.6769,
1.5879

■ 63.7075, 72.2905,
105.2035

■ 66.6565, 78.1885,
106.1865

Harmonies

Analogous

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



33.4807, 31.1781, 27.7573



31.7240, 31.1781, 24.0846



29.4810, 31.1781, 22.9494

Triad

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



31.7240, 31.1781, 24.0846



25.4924, 31.1781, 34.3881



32.0024, 31.1781, 45.6551

Complementary

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



31.7240, 31.1781, 24.0846



28.0631, 30.9726, 45.0568

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.



29.7872, 31.1781, 47.9951



31.7240, 31.1781, 24.0846



26.0936, 31.1781, 40.9961

Square

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



31.7240, 31.1781, 24.0846



25.9532, 31.1781, 28.4267



27.6376, 31.1781, 46.1915



33.6471, 31.1781, 40.1408

Rectangle

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



31.7240, 31.1781, 24.0846



28.0316, 31.1781, 23.6508



27.6376, 31.1781, 46.1915



31.2960, 31.1781, 46.8685

Sweetspot

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



31.7248, 31.1795, 24.0852



67.7546, 70.1333, 70.1540



31.0904, 26.4161, 34.6472



14.8577, 15.3293, 15.0802



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7248, 31.1795, 24.0852



53.7331, 51.6828, 35.9081



35.8388, 39.4075, 25.4566



8.2637, 8.5322, 8.4247



14.3519, 9.9092, 1.1562



0.4539, 0.3850, 0.0504

Inverse Universe

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



28.0631, 30.9726, 45.0568



46.0127, 51.2390, 80.1019



24.4453, 23.7369, 43.8509



7.9580, 8.5153, 10.1769



9.1163, 9.3664, 30.3719



0.3056, 0.3646, 0.8623

Previews

White Background



This preview shows how the XYZ color 31.7240, 31.1781, 24.0846 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 31.7240, 31.1781, 24.0846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

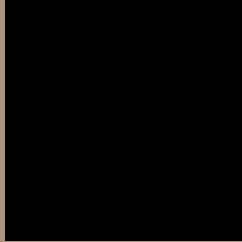
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7240, 31.1781, 24.0846

Background



This preview shows how black text looks on a background with the XYZ color 31.7240, 31.1781, 24.0846.



This preview shows how white text looks on a background with the XYZ color 31.7240, 31.1781,

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

31.7240, 31.1781, 24.0846

Protanopia

29.5263, 31.1918, 25.2333

Deuteranopia

31.7240, 31.1781, 24.0846



Tritanopia

33.7829, 31.1109, 34.3614

Trichromacy



Original Color

31.7240, 31.1781, 24.0846

Protanomaly

30.1608, 31.0527, 24.8262

Deuteranomaly

31.7240, 31.1781, 24.0846

Tritanomaly

32.9118, 30.9752, 30.2308

Monochromacy



Original Color

31.7240, 31.1781, 24.0846

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3615, 31.2694, 30.4220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7240, 31.1781, 24.0846 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(175, 146, 126)` looks like.

```
.text, #text, p{  
    color:rgb(175, 146, 126)  
}
```

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(175, 146, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 146, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.7240, 31.1781, 24.0846 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(175, 146, 126) }
```


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

```
.border{ border-color:rgb(175, 146, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 146, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 146, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 146, 126);  
box-shadow:4px 4px 4px 4px rgb(175, 146,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7240, 31.1781, 24.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 146, 126) }
```

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

```
.background{ background-color: rgb(175,  
146, 126) }
```

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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