

Converting Colors

XYZ(30.2617, 31.1528, 21.0645)

Have a look what the booklet for
XYZ(30.2617, 31.1528, 21.0645)
contains.

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Color

**XYZ(30.2620, 31.1909,
20.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	A99574
RGB	169, 149, 116
RGB Percent	66%, 58%, 45%
CMY	0.3373, 0.4157, 0.5451
CMYK	0.00, 0.12, 0.31, 0.34
HSL	37°, 24%, 56%
HSV	37°, 31%, 66%
XYZ	30.2620, 31.1909, 20.9485
YIQ	151.2180, 22.5130, -6.0230

Conversions

Conversions Part 2

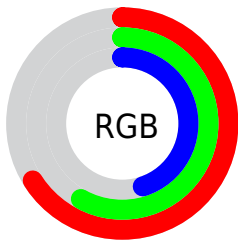
Format	Color
RYB	148, 169, 116
Decimal	11113844
CIELab	62.67, 2.33, 20.18
CIELCh	63, 20.311, 83.406
Yxy	31.1909, 0.3673, 0.3785
Android (android.graphics.Color)	4289303924 (0xFFA99574)
YUV	151.2180, -17.3625, 15.5948
Hunter-Lab	55.8488, -1.0142, 16.8549

Details

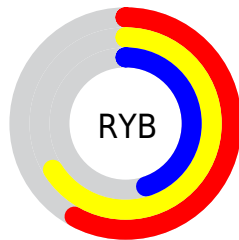
The XYZ color **30.2620, 31.1909, 20.9485** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.1678, 24.1851, 40.9832**, and the grayscale version is **29.5748, 31.1150, 33.8842**.

A 20% lighter version of the original color is **59.4752, 61.5466, 45.7908**, and **12.6135, 12.8657, 7.2874** is the 20% darker color. If you saturate the color by 10%, you get **28.3859, 28.8714, 15.9065**, and if you desaturate by 10%, it is **32.3738, 33.6953, 26.9522**.

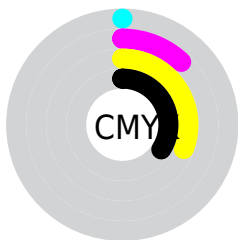
Distribution



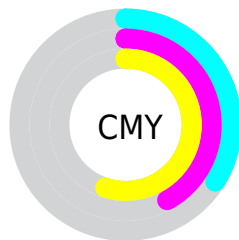
- Red (66%)
- Green (58%)
- Blue (45%)



- Red (58%)
- Yellow (66%)
- Blue (45%)



- Cyan (0%)
- Magenta (12%)
- Yellow (31%)
- Black (34%)



- Cyan (34%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2620, 31.1909, 20.9485 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 30.2620, 31.1909, 20.9485 by changing the saturation by 10% instead.

■ 30.2620, 31.1909,
20.9485

■ 30.2620, 31.1909,
20.9485

295.0117,
307.4168, 269.7767

■ 20.1866, 20.7443,
12.8955

■ 59.4601, 61.5405,
45.8815

■ 12.6398, 12.9372,
7.2267

■ 79.3134, 82.2122,
63.5985

■ 7.2563, 7.3853,
3.5237

■ 103.1568,
107.0611, 85.3740

■ 3.6706, 3.7042,
1.3679

131.3556,
136.4716, 111.6265

■ 1.5175, 1.5095,
0.1165

164.2751,
170.8280, 142.7744

■ 0.3377, 0.2954,
0.0000

202.2808,

■ 0.0000, 0.0000,

210.5147, 179.2364

0.0000

245.7379,
255.9162, 221.4310

■ 30.2620, 31.1909,
20.9485

■ 30.2620, 31.1909,
20.9485

■ 28.3859, 28.8714,
15.9065

■ 32.3738, 33.6953,
26.9522

■ 26.7326, 26.7268,
11.7727

■ 34.7287, 36.3856,
33.9631

■ 25.2913, 24.7526,
8.4917


■ 37.3368, 39.2683,
42.0263


■ 24.0492, 22.9421,
6.0007


■ 40.2067, 42.3481,
51.1835


■ 22.9919, 21.2882,
4.2285


■ 43.3467, 45.6295,
61.4741


 22.1026, 19.7824,
3.0906

 46.7646, 49.1171,
72.9355

 21.4382, 18.5870,
2.4577

 50.4679, 52.8150,
85.6035

 54.4638, 56.7273,
99.5122

 56.5772, 59.9852,
103.2041

Harmonies

Analogous

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



32.9366, 31.1909, 23.1260



30.2620, 31.1909, 20.9485



27.5798, 31.1909, 21.7962

Triad

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



30.2620, 31.1909, 20.9485



25.0210, 31.1909, 40.3898



34.1321, 31.1909, 43.8929

Complementary

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



30.2620, 31.1909, 20.9485



23.1678, 24.1851, 40.9832

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.



31.8129, 31.1909, 49.9752



30.2620, 31.1909, 20.9485



26.5823, 31.1909, 47.7426

Square

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



30.2620, 31.1909, 20.9485



24.6627, 31.1909, 32.2395



29.0384, 31.1909, 51.4836



35.2591, 31.1909, 35.7439

Rectangle

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



30.2620, 31.1909, 20.9485



26.1340, 31.1909, 24.0396



29.0384, 31.1909, 51.4836



33.4594, 31.1909, 46.2953

Sweetspot

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



30.2628, 31.1923, 20.9491



63.1850, 66.2702, 63.8374



27.0743, 22.7127, 26.3681



13.6339, 14.2901, 13.4933



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.



30.2628, 31.1923, 20.9491



51.6985, 52.7897, 30.7445



32.4072, 37.4041, 22.0351



7.9055, 8.2910, 7.9729



16.0305, 13.9582, 1.8493



0.4369, 0.4333, 0.0606

Inverse Universe

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



23.1678, 24.1851, 40.9832



36.8668, 38.1482, 72.6453



21.4592, 19.5068, 40.1702



7.3551, 7.7471, 9.5260



6.7419, 4.9439, 28.5744



0.2134, 0.2190, 0.7117

Previews

White Background



This preview shows how the XYZ color 30.2620, 31.1909, 20.9485 looks on a white background.

Color Contrast Check

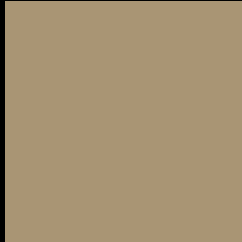
Large Text (above 18pt) WCAG AA × Fail

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 30.2620, 31.1909, 20.9485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

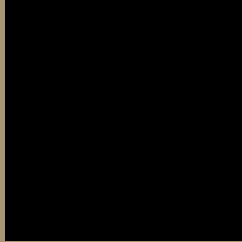
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2620, 31.1909, 20.9485

Background



This preview shows how black text looks on a background with the XYZ color 30.2620, 31.1909, 20.9485.



This preview shows how white text looks on a background with the XYZ color 30.2620, 31.1909,

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

30.2620, 31.1909, 20.9485

Protanopia

29.1778, 31.0990, 21.2945

Deuteranopia

31.8499, 31.3071, 21.1938



Tritanopia

33.1232, 31.1973, 35.2862

Trichromacy



Original Color

30.2620, 31.1909, 20.9485

Protanomaly

29.6343, 31.0964, 21.2699

Deuteranomaly

31.3238, 31.2658, 21.2136

Tritanomaly

32.0999, 31.2515, 29.5396

Monochromacy



Original Color

30.2620, 31.1909, 20.9485

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5943, 30.9168, 28.4525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2620, 31.1909, 20.9485 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(169, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(169, 149, 116)  
}
```

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(169, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 149, 116) }
```

Border

The CSS property to change the border of an element to XYZ 30.2620, 31.1909, 20.9485 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(169, 149, 116) }
```


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

```
.border{ border-color:rgb(169, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(169, 149,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2620, 31.1909, 20.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 149, 116) }
```

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

```
.background{ background-color: rgb(169,  
149, 116) }
```

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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