

Converting Colors

XYZ(30.7497, 31.5313, 21.8500)

Have a look what the booklet for
XYZ(30.7497, 31.5313, 21.8500)
contains.

XYZ(30.6548, 31.3728, 21.8926)	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(30.6548, 31.3728,
21.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9577
RGB	170, 149, 119
RGB Percent	67%, 58%, 47%
CMY	0.3333, 0.4157, 0.5333
CMYK	0.00, 0.12, 0.30, 0.33
HSL	35°, 23%, 57%
HSV	35°, 30%, 67%
XYZ	30.6548, 31.3728, 21.8926
YIQ	151.8590, 22.1460, -4.8780

Conversions

Conversions Part 2

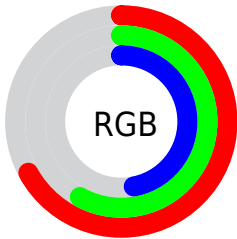
Format	Color
RYB	155, 170, 119
Decimal	11179383
CIELab	62.82, 3.15, 18.73
CIELCh	63, 18.993, 80.467
Yxy	31.3728, 0.3653, 0.3738
Android (android.graphics.Color)	4289369463 (0xFFAA9577)
YUV	151.8590, -16.1995, 15.9097
Hunter-Lab	56.0114, -0.3278, 16.0339

Details

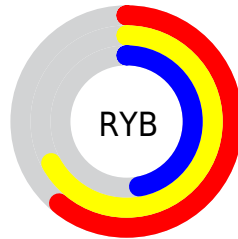
The XYZ color **30.6548, 31.3728, 21.8926** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.2414, 25.5798, 41.6902**, and the grayscale version is **29.8458, 31.4001, 34.1947**.

A 20% lighter version of the original color is **60.0707, 61.8209, 47.2946**, and **12.8093, 12.9595, 7.6207** is the 20% darker color. If you saturate the color by 10%, you get **28.6498, 28.8530, 16.6299**, and if you desaturate by 10%, it is **32.9107, 34.1017, 28.1407**.

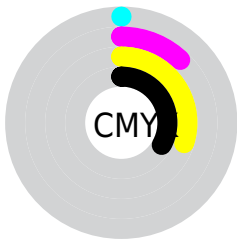
Distribution



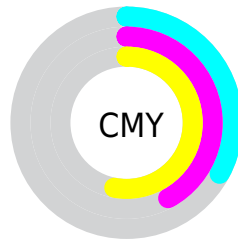
- Red (67%)
- Green (58%)
- Blue (47%)



- Red (61%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (12%)
- Yellow (30%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6548, 31.3728, 21.8926 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 30.6548, 31.3728, 21.8926 by changing the saturation by 10% instead.


 30.6548, 31.3728,
21.8926


 30.6548, 31.3728,
21.8926


296.8002,
308.2521, 274.9201

 20.4867, 20.8829,
13.5804


 60.0757, 61.8265,
47.4683

 12.8596, 13.0384,
7.6940


 80.0592, 82.5591,
65.5690

 7.4083, 7.4550,
3.8148


 104.0452,
107.4748, 87.7696

 3.7673, 3.7483,
1.5243

132.3991,
136.9578, 114.4886

 1.5714, 1.5338,
0.2360

165.4862,
171.3927, 146.1446

 0.3736, 0.3123,
0.0000

203.6718,

 0.0000, 0.0000,

211.1638, 183.1562

0.0000

247.3213,
256.6555, 225.9418

■ 30.6548, 31.3728,
21.8926

■ 30.6548, 31.3728,
21.8926

■ 28.6498, 28.8530,
16.6299

■ 32.9107, 34.1017,
28.1407

■ 26.8823, 26.5317,
12.2988

■ 35.4251, 37.0411,
35.4201

■ 25.3412, 24.4037,
8.8438

■ 38.2084, 40.1982,
43.7761

■ 24.0136, 22.4619,
6.2020

■ 41.2695, 43.5782,
53.2508

■ 22.8848, 20.6984,
4.3025

■ 44.6171, 47.1862,
63.8839

■ 21.9377, 19.1042,
3.0616

■ 48.2593, 51.0272,
75.7133

■ 21.1360, 17.6627,
2.2953

■ 52.2038, 55.1058,
88.7751

■ 21.1359, 17.6626,
2.2952

■ 56.4579, 59.4265,
103.1026

■ 58.1697, 62.8502,
103.6732

Harmonies

Analogous

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



33.1167, 31.3728, 24.2614



30.6548, 31.3728, 21.8926



28.1042, 31.3728, 22.4219

Triad

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



30.6548, 31.3728, 21.8926



25.3748, 31.3728, 39.4164



33.8446, 31.3728, 44.1110

Complementary

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



30.6548, 31.3728, 21.8926



24.2414, 25.5798, 41.6902

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.



31.6020, 31.3728, 49.4112



30.6548, 31.3728, 21.8926



26.7477, 31.3728, 46.4391

Square

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



30.6548, 31.3728, 21.8926



25.1540, 31.3728, 31.8422



28.9983, 31.3728, 50.3201



35.0276, 31.3728, 36.5869

Rectangle

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



30.6548, 31.3728, 21.8926



26.6896, 31.3728, 24.3812



28.9983, 31.3728, 50.3201



33.1837, 31.3728, 46.2551

Sweetspot

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



30.6556, 31.3742, 21.8932



64.6781, 67.6706, 65.4577



27.9268, 23.6409, 27.9993



14.2710, 14.9154, 14.1474



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.6556, 31.3742, 21.8932



53.1505, 53.8404, 33.1758



33.3783, 38.1616, 23.0598



7.8840, 8.2481, 7.9658



15.6036, 13.1045, 1.7070



0.4282, 0.4159, 0.0577

Inverse Universe

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



24.2414, 25.5798, 41.6902



39.6210, 41.6226, 74.9476



22.0571, 20.3257, 40.7912



7.3760, 7.7889, 9.5330



7.0003, 5.4607, 28.6606



0.2210, 0.2343, 0.7142

Previews

White Background



This preview shows how the XYZ color 30.6548, 31.3728, 21.8926 looks on a white background.

Color Contrast Check

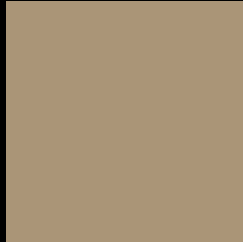
Large Text (above 18pt) WCAG AA × Fail

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 30.6548, 31.3728, 21.8926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

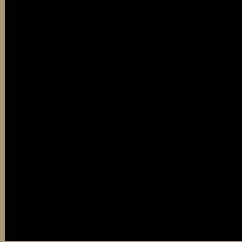
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6548, 31.3728, 21.8926

Background



This preview shows how black text looks on a background with the XYZ color 30.6548, 31.3728, 21.8926.



This preview shows how white text looks on a background with the XYZ color 30.6548, 31.3728,

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

30.6548, 31.3728, 21.8926

Protanopia

29.5187, 31.4939, 22.2924

Deuteranopia

32.0291, 31.3788, 22.1379



Tritanopia

33.3452, 31.3117, 35.2966

Trichromacy



Original Color

30.6548, 31.3728, 21.8926

Protanomaly

29.9738, 31.4886, 22.2674

Deuteranomaly

31.5031, 31.3375, 22.1576

Tritanomaly

32.3949, 31.3950, 29.9436

Monochromacy



Original Color

30.6548, 31.3728, 21.8926

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0983, 31.3976, 29.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6548, 31.3728, 21.8926 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(170, 149, 119)` looks like.

```
.text, #text, p{  
    color:rgb(170, 149, 119)  
}
```

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(170, 149, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 149, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.6548, 31.3728, 21.8926 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(170, 149, 119) }
```


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

```
.border{ border-color:rgb(170, 149, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 149, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 149, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 149, 119);  
box-shadow:4px 4px 4px 4px rgb(170, 149,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6548, 31.3728, 21.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 149, 119) }
```

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

```
.background{ background-color: rgb(170,  
149, 119) }
```

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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