

Converting Colors

XYZ(28.7104, 31.5529, 3.9739)

Have a look what the booklet for
XYZ(28.7104, 31.5529, 3.9739)
contains.

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Color

**XYZ(28.6838, 31.4551,
4.5597)**

Conversions

Conversions Part 1

Format	Color
Hex	AE9800
RGB	174, 152, 0
RGB Percent	68%, 60%, 0%
CMY	0.3176, 0.4039, 0.9999
CMYK	0.00, 0.13, 1.00, 0.32
HSL	52°, 100%, 34%
HSV	52°, 100%, 68%
XYZ	28.6838, 31.4551, 4.5597
YIQ	141.2500, 61.9040, -42.6080

Conversions

Conversions Part 2

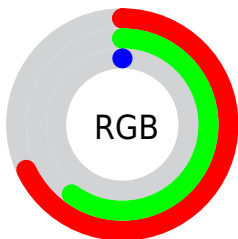
Format	Color
RYB	25, 174, 0
Decimal	11442176
CIELab	62.89, -4.66, 66.56
CIELCh	63, 66.728, 94.008
Yxy	31.4551, 0.4433, 0.4862
Android (android.graphics.Color)	4289632256 (0xFFAE9800)
YUV	141.2500, -69.6363, 28.7218
Hunter-Lab	56.0848, -6.8572, 34.4391

Details

The XYZ color **28.6838, 31.4551, 4.5597** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9272, 3.6303, 40.3270**, and the grayscale version is **25.6650, 27.0016, 29.4048**.

A 20% lighter version of the original color is **56.8782, 61.9473, 15.2626**, and **12.0875, 13.2847, 1.9271** is the 20% darker color. If you saturate the color by 10%, you get **28.6841, 31.4560, 4.5598**, and if you desaturate by 10%, it is **29.1492, 32.2191, 5.2301**.

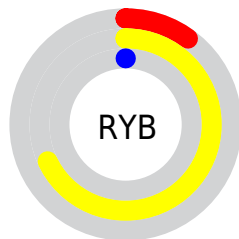
Distribution



Red (68%)

Green (60%)

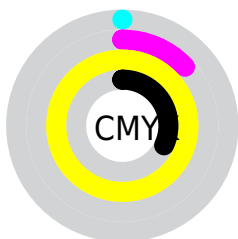
Blue (0%)



Red (10%)

Yellow (68%)

Blue (0%)

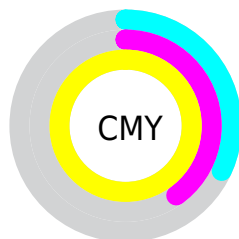


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6838, 31.4551, 4.5597 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 28.6838, 31.4551, 4.5597 by changing the saturation by 10% instead.

■ 28.6838, 31.4551,
4.5597

■ 28.6838, 31.4551,
4.5597

287.7413,
308.6295, 154.2569

■ 18.9848, 20.9456,
1.9371

■ 56.9754, 61.9559,
15.2813

■ 11.7633, 13.0843,
0.5162

■ 76.2987, 82.7160,
24.2174

■ 6.6537, 7.4866,
0.0000

■ 99.5608, 107.6618,
36.0952

■ 3.2909, 3.7682,
0.0000

■ 127.1271,
137.1776, 51.3331

■ 1.3094, 1.5448,
0.0000

■ 159.3630,
171.6479, 70.3496

■ 0.1902, 0.3199,
0.0000

■ 196.6337,

■ 0.0000, 0.0000,

211.4571, 93.5635

0.0000

239.3047,
256.9895, 121.3930

28.6838, 31.4551,
4.5597

28.6838, 31.4551,
4.5597

28.6841, 31.4560,
4.5598

29.1492, 32.2191,
5.2301

29.7124, 33.0316,
6.3854

30.4102, 33.9086,
8.2165

31.2593, 34.8570,
10.8113

32.2741, 35.8824,
14.2449

■ 33.4670, 36.9900,
18.5832

■ 34.8493, 38.1842,
23.8857

■ 36.4315, 39.4694,
30.2065

■ 38.2232, 40.8494,
37.5961

Harmonies

Analogous

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



38.2929, 31.4551, 5.9838



28.6838, 31.4551, 4.5597



21.0940, 31.4551, 7.1537

Triad

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



28.6838, 31.4551, 4.5597



17.5517, 31.4551, 70.8849



48.6718, 31.4551, 61.4296

Complementary

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



28.6838, 31.4551, 4.5597



7.9272, 3.6303, 40.3270

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.



40.8611, 31.4551, 95.3305



28.6838, 31.4551, 4.5597



22.8281, 31.4551, 102.4729

Square

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



28.6838, 31.4551, 4.5597



15.5524, 31.4551, 37.8944



31.1442, 31.4551, 113.1542



51.1157, 31.4551, 30.8457

Rectangle

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



28.6838, 31.4551, 4.5597



17.7980, 31.4551, 12.3463



31.1442, 31.4551, 113.1542



46.5182, 31.4551, 73.2328

Sweetspot

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



28.6845, 31.4566, 4.5603



63.0695, 69.1421, 42.7611



17.6124, 9.0616, 1.6426



13.7797, 15.1650, 8.5810



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.



28.6845, 31.4566, 4.5603



51.9162, 56.8296, 8.2329



21.5920, 33.6001, 5.3479



8.5750, 9.1548, 8.5285



20.8349, 22.8753, 3.3173



0.6032, 0.6836, 0.1002

Inverse Universe

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



7.9272, 3.6303, 40.3270



14.2900, 6.4069, 73.1204



9.7421, 4.1399, 40.3297



7.6575, 7.9144, 10.0767



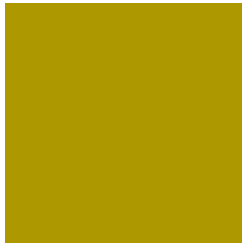
5.7745, 2.6829, 29.2580



0.1856, 0.1246, 0.8223

Previews

White Background



This preview shows how the XYZ color 28.6838, 31.4551, 4.5597 looks on a white background.

Color Contrast Check

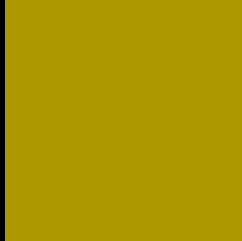
Large Text (above 18pt) WCAG AA × Fail

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 28.6838, 31.4551, 4.5597 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 28.6838, 31.4551, 4.5597

Background



This preview shows how black text looks on a background with the XYZ color 28.6838, 31.4551, 4.5597.



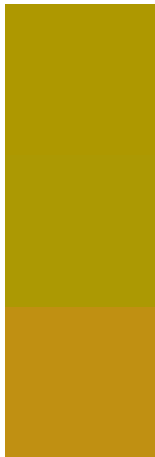
This preview shows how white text looks on a background with the XYZ color 28.6838, 31.4551,

4.5597.

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

28.6838, 31.4551, 4.5597

Protanopia

28.4209, 31.5597, 4.6798

Deuteranopia

31.8207, 31.1967, 4.9167



Tritanopia

34.7208, 31.3840, 33.9335

Trichromacy



Original Color

28.6838, 31.4551, 4.5597

Protanomaly

28.6358, 31.6711, 4.6613

Deuteranomaly

30.5017, 31.2059, 4.7323

Tritanomaly

31.1055, 30.8172, 15.6181

Monochromacy



Original Color

28.6838, 31.4551, 4.5597

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.1077, 27.7613, 13.7080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6838, 31.4551, 4.5597 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(174, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 152, 0)  
}
```

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(174, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 152, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.6838, 31.4551, 4.5597 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(174, 152, 0) }
```


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

```
.border{ border-color:rgb(174, 152, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 152,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6838, 31.4551, 4.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 152, 0) }
```

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

```
.background{ background-color: rgb(174,  
152, 0) }
```

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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