

Converting Colors

XYZ(21.1400, 21.9746, 3.0852)

Have a look what the booklet for
XYZ(21.1400, 21.9746, 3.0852)
contains.

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Color

**XYZ(21.1712, 21.9896,
3.1286)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7E00
RGB	156, 126, 0
RGB Percent	61%, 49%, 0%
CMY	0.3882, 0.5059, 1.0000
CMYK	0.00, 0.19, 1.00, 0.39
HSL	48°, 100%, 31%
HSV	48°, 100%, 61%
XYZ	21.1712, 21.9896, 3.1286
YIQ	120.6060, 58.3260, -32.8260

Conversions

Conversions Part 2

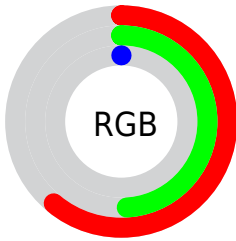
Format	Color
R _Y B	37, 156, 0
Decimal	10255872
CIE Lab	54.02, 1.30, 59.46
CIE LCh	54, 59.474, 88.750
Yxy	21.9896, 0.4574, 0.4750
Android (android.graphics.Color)	4288445952 (0xFF9C7E00)
YUV	120.6060, -59.4588, 31.0405
Hunter-Lab	46.8931, -1.4740, 28.8695

Details

The XYZ color **21.1712, 21.9896, 3.1286** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4653, 3.3292, 31.7542**, and the grayscale version is **18.2201, 19.1689, 20.8750**.

A 20% lighter version of the original color is **44.6651, 46.5422, 11.9396**, and **7.9799, 8.1581, 1.1541** is the 20% darker color. If you saturate the color by 10%, you get **21.1714, 21.9902, 3.1287**, and if you desaturate by 10%, it is **21.6517, 22.8057, 3.7358**.

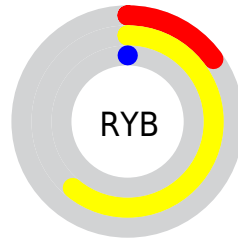
Distribution



Red (61%)

Green (49%)

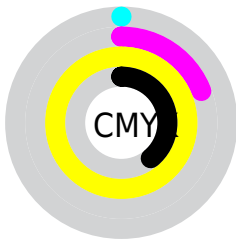
Blue (0%)



Red (15%)

Yellow (61%)

Blue (0%)

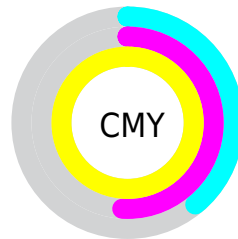


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1712, 21.9896, 3.1286 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 21.1712, 21.9896, 3.1286 by changing the saturation by 10% instead.

 21.1712, 21.9896,
3.1286


 21.1712, 21.9896,
3.1286


250.9015,
262.4920, 137.9820


 13.3624, 13.8493,
1.1607


 44.8614, 46.7288,
11.9442

 7.7573, 8.0159,
0.0000


 61.4735, 64.0965,
19.6288

 3.9905, 4.1051,
0.0000

 81.7508, 85.3087,
30.0562

 1.6968, 1.7325,
0.0000

 106.0585,
110.7498, 43.6448

 0.4542, 0.4446,
0.0000

 134.7621,
140.8044, 60.8131

 0.0000, 0.0000,
0.0000

 168.2269,

175.8566, 81.9798

■ 206.8182,
216.2910, 107.5632

■ 21.1712, 21.9896,
3.1286

■ 21.1712, 21.9896,
3.1286

■ 21.1714, 21.9902,
3.1287

■ 21.6517, 22.8057,
3.7358

■ 22.2121, 23.6714,
4.7092

■ 22.8840, 24.6005,
6.2115

■ 23.6800, 25.5981,
8.3094

■ 24.6110, 26.6687,
11.0599

■ 25.6868, 27.8164,
14.5133

■ 26.9160, 29.0447,
18.7147

■ 28.3064, 30.3571,
23.7058

■ 29.8657, 31.7565,
29.5250

Harmonies

Analogous

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



27.9883, 21.9896, 4.6429



21.1712, 21.9896, 3.1286



15.5027, 21.9896, 4.3890

Triad

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



21.1712, 21.9896, 3.1286



11.8311, 21.9896, 45.3161



33.3438, 21.9896, 47.3932

Complementary

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



21.1712, 21.9896, 3.1286



6.4653, 3.3292, 31.7542

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.



27.4249, 21.9896, 70.2991



21.1712, 21.9896, 3.1286



15.1233, 21.9896, 68.7279

Square

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



21.1712, 21.9896, 3.1286



10.8210, 21.9896, 23.1791



20.6320, 21.9896, 79.6098



35.8477, 21.9896, 24.7233

Rectangle

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



21.1712, 21.9896, 3.1286



12.9189, 21.9896, 7.3688



20.6320, 21.9896, 79.6098



31.6349, 21.9896, 55.6761

Sweetspot

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



21.1717, 21.9907, 3.1290



48.7452, 52.6156, 33.4939



13.9604, 7.1681, 1.9585



10.5285, 11.3831, 6.6859



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.1717, 21.9907, 3.1290



38.3160, 39.6656, 5.6368



18.2201, 27.0410, 4.2594



7.0617, 7.5034, 7.0618



17.4628, 18.1611, 2.5851



0.3378, 0.3758, 0.0547

Inverse Universe

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



6.4653, 3.3292, 31.7542



11.6321, 5.8257, 57.6381



7.1642, 3.0002, 31.6539



6.3829, 6.6315, 8.3503



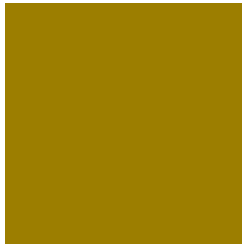
5.3453, 2.7822, 26.1625



0.1203, 0.0992, 0.4760

Previews

White Background



This preview shows how the XYZ color 21.1712, 21.9896, 3.1286 looks on a white background.

Color Contrast Check

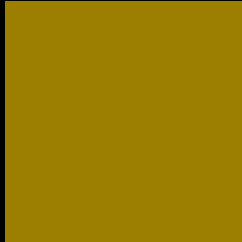
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1712, 21.9896, 3.1286 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 × Fail

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

XYZ 21.1712, 21.9896, 3.1286

Background



This preview shows how black text looks on a background with the XYZ color 21.1712, 21.9896, 3.1286.

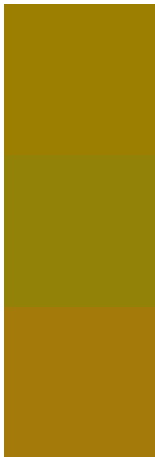


This preview shows how white text looks on a background with the XYZ color 21.1712, 21.9896,

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

21.1712, 21.9896, 3.1286

Protanopia

19.8750, 22.0916, 3.4176

Deuteranopia

22.4532, 22.0826, 3.3956



Tritanopia

25.2314, 22.0155, 22.6582

Trichromacy



Original Color

21.1712, 21.9896, 3.1286

Protanomaly

20.4498, 22.1933, 3.3208

Deuteranomaly

21.9439, 22.0077, 3.2924

Tritanomaly

22.6616, 21.4857, 10.5422

Monochromacy



Original Color

21.1712, 21.9896, 3.1286

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2540, 19.7701, 9.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1712, 21.9896, 3.1286 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(156, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 126, 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(156, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.1712, 21.9896, 3.1286 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(156, 126, 0) }
```


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

```
.border{ border-color:rgb(156, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1712, 21.9896, 3.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 126, 0) }
```

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

```
.background{ background-color: rgb(156,  
126, 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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