

Converting Colors

XYZ(21.4475, 21.9338, 3.1032)

Have a look what the booklet for
XYZ(21.4475, 21.9338, 3.1032)
contains.

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Color

**XYZ(21.4342, 21.9363,
3.1044)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7D00
RGB	158, 125, 0
RGB Percent	62%, 49%, 0%
CMY	0.3804, 0.5098, 1.0000
CMYK	0.00, 0.21, 1.00, 0.38
HSL	47°, 100%, 31%
HSV	47°, 100%, 62%
XYZ	21.4342, 21.9363, 3.1044
YIQ	120.6170, 59.7930, -31.8790

Conversions

Conversions Part 2

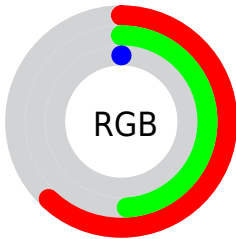
Format	Color
RYB	42, 158, 0
Decimal	10386688
CIELab	53.96, 2.79, 59.52
CIElCh	54, 59.586, 87.315
Yxy	21.9363, 0.4612, 0.4720
Android (android.graphics.Color)	4288576768 (0xFF9E7D00)
YUV	120.6170, -59.4642, 32.7849
Hunter-Lab	46.8362, -0.2743, 28.8555

Details

The XYZ color **21.4342, 21.9363, 3.1044** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7156, 3.5566, 32.6802**, and the grayscale version is **18.2233, 19.1723, 20.8786**.

A 20% lighter version of the original color is **45.3505, 46.6012, 11.9149**, and **8.1334, 8.1325, 1.1411** is the 20% darker color. If you saturate the color by 10%, you get **21.4344, 21.9370, 3.1045**, and if you desaturate by 10%, it is **21.9515, 22.8237, 3.7311**.

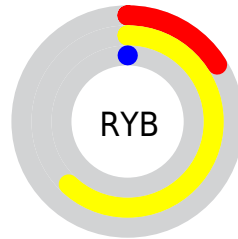
Distribution



Red (62%)

Green (49%)

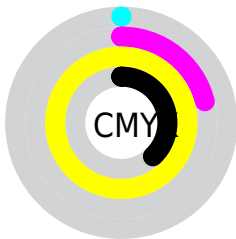
Blue (0%)



Red (16%)

Yellow (62%)

Blue (0%)

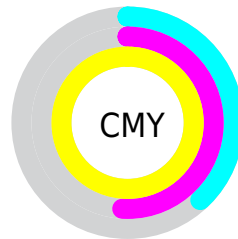


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4342, 21.9363, 3.1044 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 21.4342, 21.9363, 3.1044 by changing the saturation by 10% instead.


 21.4342, 21.9363,
3.1044


 21.4342, 21.9363,
3.1044


252.2654,
262.2134, 137.6794


 13.5560, 13.8101,
1.1482


 45.2949, 46.6407,
11.8850


 7.8922, 7.9887,
0.0000

 62.0081, 63.9877,
19.5464


 4.0772, 4.0877,
0.0000

 82.3971, 85.1770,
29.9467

 1.7459, 1.7228,
0.0000

 106.8272,
110.5932, 43.5043


 0.4848, 0.4383,
0.0000


 135.6637,
140.6205, 60.6379


 0.0000, 0.0000,
0.0000


 169.2720,


175.6434, 81.7659


 208.0174,
216.0462, 107.3069


 21.4342, 21.9363,
3.1044


 21.4342, 21.9363,
3.1044


 21.4344, 21.9370,
3.1045

 21.9515, 22.8237,
3.7311

 22.5535, 23.7665,
4.7374

 23.2723, 24.7786,
6.2888

 24.1212, 25.8656,
8.4543

 25.1112, 27.0321,
11.2928

■ 26.2526, 28.2823,
14.8560

■ 27.5541, 29.6200,
19.1908

■ 29.0242, 31.0488,
24.3401

■ 30.6703, 32.5718,
30.3434

Harmonies

Analogous

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



28.2619, 21.9363, 4.7629



21.4342, 21.9363, 3.1044



15.6769, 21.9363, 4.2190

Triad

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



21.4342, 21.9363, 3.1044



11.6834, 21.9363, 44.0882



33.0783, 21.9363, 48.5531

Complementary

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



21.4342, 21.9363, 3.1044



6.7156, 3.5566, 32.6802

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.



27.0512, 21.9363, 71.1590



21.4342, 21.9363, 3.1044



14.8622, 21.9363, 67.7804

Square

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



21.4342, 21.9363, 3.1044



10.7802, 21.9363, 22.2647



20.2761, 21.9363, 79.5609



35.7932, 21.9363, 25.5819

Rectangle

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



21.4342, 21.9363, 3.1044



13.0201, 21.9363, 7.0268



20.2761, 21.9363, 79.5609



31.3189, 21.9363, 56.8178

Sweetspot

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



21.4347, 21.9374, 3.1048



49.8903, 53.6420, 34.3450



14.3928, 7.3861, 2.1986



11.0295, 11.8724, 7.0066



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.4347, 21.9374, 3.1048



38.7773, 39.5421, 5.5886



19.0672, 27.9800, 4.3960



7.0525, 7.4850, 7.0587



17.1957, 17.6270, 2.4960



0.3347, 0.3696, 0.0537

Inverse Universe

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



6.7156, 3.5566, 32.6802



12.0764, 6.2207, 59.3077



7.2438, 3.0215, 32.5491



6.3914, 6.6486, 8.3531



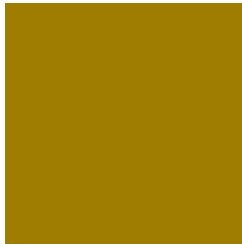
5.4026, 2.8967, 26.1816



0.1231, 0.1047, 0.4770

Previews

White Background



This preview shows how the XYZ color 21.4342, 21.9363, 3.1044 looks on a white background.

Color Contrast Check

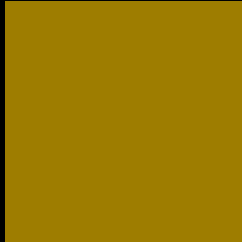
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4342, 21.9363, 3.1044 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 21.4342, 21.9363, 3.1044

Background



This preview shows how black text looks on a background with the XYZ color 21.4342, 21.9363, 3.1044.



This preview shows how white text looks on a background with the XYZ color 21.4342, 21.9363,

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

21.4342, 21.9363, 3.1044

Protanopia

19.8750, 22.0916, 3.4176

Deuteranopia

22.4476, 22.0803, 3.3660



Tritanopia

25.2569, 21.8640, 22.2910

Trichromacy



Original Color

21.4342, 21.9363, 3.1044

Protanomaly

20.3188, 21.9311, 3.2771

Deuteranomaly

22.1408, 22.1098, 3.2730

Tritanomaly

22.9451, 21.4542, 10.5212

Monochromacy



Original Color

21.4342, 21.9363, 3.1044

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1306, 19.5232, 9.8340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4342, 21.9363, 3.1044 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(158, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 125, 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(158, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4342, 21.9363, 3.1044 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(158, 125, 0) }
```


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

```
.border{ border-color:rgb(158, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4342, 21.9363, 3.1044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 125, 0) }
```

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

```
.background{ background-color: rgb(158,  
125, 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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