

Converting Colors

XYZ(21.4418, 18.0008, 2.3444)

Have a look what the booklet for
XYZ(21.4418, 18.0008, 2.3444)
contains.

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Color

**XYZ(21.4483, 17.9653,
2.3372)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6500
RGB	171, 101, 0
RGB Percent	67%, 40%, 0%
CMY	0.3294, 0.6039, 1.0000
CMYK	0.00, 0.41, 1.00, 0.33
HSL	35°, 100%, 34%
HSV	35°, 100%, 67%
XYZ	21.4483, 17.9653, 2.3372
YIQ	110.4160, 74.1410, -16.5710

Conversions

Conversions Part 2

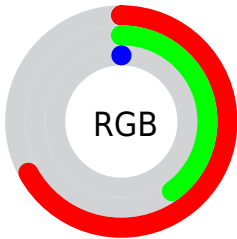
Format	Color
R _Y B	119, 171, 0
Decimal	11232512
CIE Lab	49.45, 22.28, 57.27
CIE LCh	49, 61.449, 68.744
Yxy	17.9653, 0.5137, 0.4303
Android (android.graphics.Color)	4289422592 (0xFFAB6500)
YUV	110.4160, -54.4351, 53.1322
Hunter-Lab	42.3855, 16.1516, 26.4005

Details

The XYZ color **21.4483, 17.9653, 2.3372** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5409, 7.3206, 39.4380**, and the grayscale version is **15.0784, 15.8636, 17.2755**.

A 20% lighter version of the original color is **45.3764, 39.9601, 9.8789**, and **8.0013, 6.0831, 0.7524** is the 20% darker color. If you saturate the color by 10%, you get **21.4484, 17.9658, 2.3373**, and if you desaturate by 10%, it is **22.2596, 19.4248, 3.1108**.

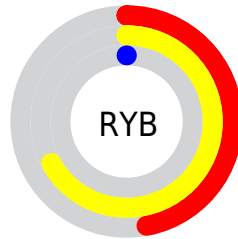
Distribution



Red (67%)

Green (40%)

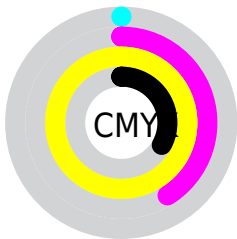
Blue (0%)



Red (47%)

Yellow (67%)

Blue (0%)

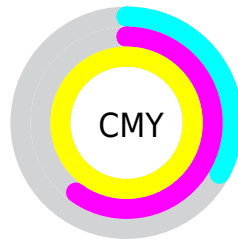


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4483, 17.9653, 2.3372 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 21.4483, 17.9653, 2.3372 by changing the saturation by 10% instead.


 21.4483, 17.9653,
2.3372


 21.4483, 17.9653,
2.3372


252.3383,
240.6754, 127.4108


 13.5664, 10.9251,
0.7519


 45.3181, 39.9782,
9.9437


 7.8994, 6.0165,
0.0000


 62.0368, 55.7196,
16.8173


 4.0819, 2.8551,
0.0000

 82.4317, 75.1303,
26.2958

 1.7486, 1.0566,
0.0000

 106.8683, 98.5945,
38.7977


 0.4864, 0.0000,
0.0000


 135.7119,
126.4968, 54.7416


 0.0000, 0.0000,
0.0000


 169.3279,


159.2214, 74.5461


 208.0816,
197.1528, 98.6296


 21.4483, 17.9653,
2.3372


 21.4483, 17.9653,
2.3372


 21.4484, 17.9658,
2.3373

 22.2596, 19.4248,
3.1108

 23.2174, 21.0370,
4.3658

 24.3588, 22.8197,
6.2882

 25.7011, 24.7817,
8.9627

 27.2590, 26.9311,
12.4615

■ 29.0458, 29.2751,
16.8481

■ 31.0736, 31.8204,
22.1799

■ 33.3533, 34.5732,
28.5091

■ 35.8952, 37.5395,
35.8844

Harmonies

Analogous

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



27.3398, 17.9653, 5.6039



21.4483, 17.9653, 2.3372



15.4349, 17.9653, 1.9266

Triad

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



21.4483, 17.9653, 2.3372



8.2514, 17.9653, 24.8318



25.0533, 17.9653, 56.5666

Complementary

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



21.4483, 17.9653, 2.3372



9.5409, 7.3206, 39.4380

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.



18.8283, 17.9653, 71.1902



21.4483, 17.9653, 2.3372



9.7678, 17.9653, 47.1481

Square

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



21.4483, 17.9653, 2.3372



8.6451, 17.9653, 10.1130



13.3415, 17.9653, 67.0100



29.7274, 17.9653, 33.5831

Rectangle

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



21.4483, 17.9653, 2.3372



12.2523, 17.9653, 2.7916



13.3415, 17.9653, 67.0100



23.0226, 17.9653, 63.0819

Sweetspot

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



21.4487, 17.9662, 2.3375



55.4465, 56.7365, 39.1693



17.9400, 9.1162, 6.8180



12.0235, 12.2282, 7.8247



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.



21.4487, 17.9662, 2.3375



38.1997, 31.7488, 4.1148



28.4188, 36.2686, 5.5029



8.3836, 8.7720, 8.4647



16.2218, 13.6491, 1.7796



0.5033, 0.4838, 0.0669

Inverse Universe

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



9.5409, 7.3206, 39.4380



16.8897, 12.7159, 70.5661



7.5358, 3.0358, 38.7166



7.8380, 8.2755, 10.1369



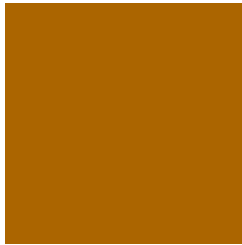
7.2415, 5.6168, 29.7470



0.2561, 0.2656, 0.8458

Previews

White Background



This preview shows how the XYZ color 21.4483, 17.9653, 2.3372 looks on a white 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

Black Background



This preview shows how the XYZ color 21.4483, 17.9653, 2.3372 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 21.4483, 17.9653, 2.3372

Background



This preview shows how black text looks on a background with the XYZ color 21.4483, 17.9653, 2.3372.



This preview shows how white text looks on a background with the XYZ color 21.4483, 17.9653,

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

21.4483, 17.9653, 2.3372

Protanopia

16.3423, 18.2093, 3.0342

Deuteranopia

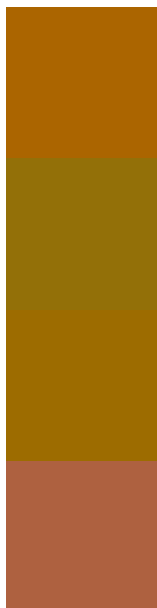
18.1886, 17.9779, 2.5114



Tritanopia

24.0309, 18.0590, 14.5311

Trichromacy



Original Color

21.4483, 17.9653, 2.3372

Protanomaly

17.8706, 17.8089, 2.7253

Deuteranomaly

19.2672, 17.8932, 2.4382

Tritanomaly

22.6557, 17.9182, 7.1150

Monochromacy



Original Color

21.4483, 17.9653, 2.3372

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.8789, 15.8631, 8.0193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4483, 17.9653, 2.3372 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(171, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 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(171, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4483, 17.9653, 2.3372 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(171, 101, 0) }
```


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

```
.border{ border-color:rgb(171, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4483, 17.9653, 2.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 0) }
```

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

```
.background{ background-color: rgb(171,  
101, 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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