

Converting Colors

XYZ(22.1419, 20.9731, 3.0240)

Have a look what the booklet for
XYZ(22.1419, 20.9731, 3.0240)
contains.

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Color

**XYZ(22.2317, 21.0748,
3.0397)**

Conversions

Conversions Part 1

Format	Color
Hex	A67605
RGB	166, 118, 5
RGB Percent	65%, 46%, 2%
CMY	0.3490, 0.5372, 0.9804
CMYK	0.00, 0.29, 0.97, 0.35
HSL	42°, 94%, 34%
HSV	42°, 97%, 65%
XYZ	22.2317, 21.0748, 3.0397
YIQ	119.4700, 64.8810, -24.9670

Conversions

Conversions Part 2

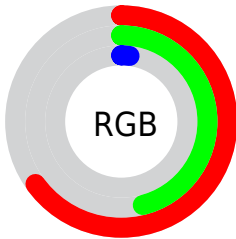
Format	Color
R_{YB}	73, 166, 5
Decimal	10909189
CIE _{Lab}	53.03, 10.52, 58.35
CIE _{LCh}	53, 59.288, 79.779
Y _{xy}	21.0748, 0.4797, 0.4547
Android (android.graphics.Color)	4289099269 (0xFFA67605)
YUV	119.4700, -56.4337, 40.8068
Hunter-Lab	45.9073, 6.1051, 28.2093

Details

The XYZ color **22.2317, 21.0748, 3.0397** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2188, 5.3319, 36.6721**, and the grayscale version is **17.8439, 18.7731, 20.4440**.

A 20% lighter version of the original color is **46.7821, 45.3356, 11.7538**, and **8.4968, 7.6315, 1.0252** is the 20% darker color. If you saturate the color by 10%, you get **22.0303, 20.7160, 2.8375**, and if you desaturate by 10%, it is **22.9440, 22.3177, 3.8379**.

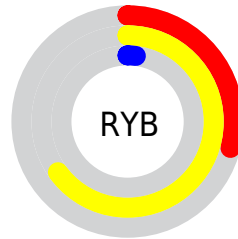
Distribution



Red (65%)

Green (46%)

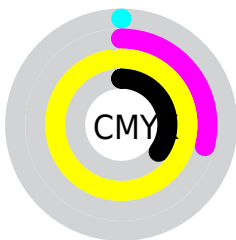
Blue (2%)



Red (29%)

Yellow (65%)

Blue (2%)

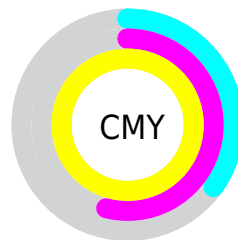


Cyan (0%)

Magenta (29%)

Yellow (97%)

Black (35%)



Cyan (35%)

Magenta (54%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2317, 21.0748, 3.0397 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 22.2317, 21.0748, 3.0397 by changing the saturation by 10% instead.

■ 22.2317, 21.0748,
3.0397

■ 22.2317, 21.0748,
3.0397

256.3636,
257.6757, 136.8647

■ 14.1448, 13.1787,
1.1149

■ 46.6047, 45.2120,
11.7262

■ 8.3038, 7.5517,
0.0000

■ 63.6214, 62.2219,
19.3251

■ 4.3434, 3.8095,
0.0000

■ 84.3455, 83.0384,
29.6524

■ 1.8982, 1.5676,
0.0000

■ 109.1423,
108.0461, 43.1267


■ 0.5758, 0.3356,
0.0000


■ 138.3772,
137.6293, 60.1666


■ 0.0000, 0.0000,
0.0000


■ 172.4154,


172.1724, 81.1905


 211.6224,
212.0597, 106.6170


 22.2317, 21.0748,
3.0397


 22.2317, 21.0748,
3.0397

 22.0303, 20.7160,
2.8375

 22.9440, 22.3177,
3.8379

 23.7854, 23.6611,
5.1648

 24.7779, 25.1152,
7.1321

 25.9360, 26.6867,
9.8142

 27.2723, 28.3811,
13.2749

■ 28.7979, 30.2038,
17.5712

■ 30.5231, 32.1593,
22.7546

■ 32.4571, 34.2520,
28.8724

■ 34.6088, 36.4862,
35.9686

Harmonies

Analogous

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



28.8005, 21.0748, 5.4594



22.2317, 21.0748, 3.0397



16.2462, 21.0748, 3.4404

Triad

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



22.2317, 21.0748, 3.0397



10.7441, 21.0748, 36.6172



30.6353, 21.0748, 52.9775

Complementary

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



22.2317, 21.0748, 3.0397



8.2188, 5.3319, 36.6721

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.



24.3622, 21.0748, 72.7060



22.2317, 21.0748, 3.0397



13.2511, 21.0748, 60.3533

Square

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



22.2317, 21.0748, 3.0397



10.4068, 21.0748, 17.3839



17.9805, 21.0748, 75.9432



34.2766, 21.0748, 29.5857

Rectangle

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



22.2317, 21.0748, 3.0397



13.3050, 21.0748, 5.3943



17.9805, 21.0748, 75.9432



28.7104, 21.0748, 60.6779

Sweetspot

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



22.2322, 21.0759, 3.0401



54.5614, 57.4361, 38.7355



16.4298, 8.4755, 4.1751



11.9203, 12.5255, 7.7966



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.2322, 21.0759, 3.0401



39.7908, 37.2130, 5.0856



23.4634, 32.3352, 5.1485



7.9552, 8.3905, 7.9895



17.1257, 16.1486, 2.2144



0.4581, 0.4757, 0.0677

Inverse Universe

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



8.2188, 5.3319, 36.6721



14.3603, 8.7336, 66.4042



7.7076, 3.2590, 36.2989



7.3073, 7.6516, 9.5101



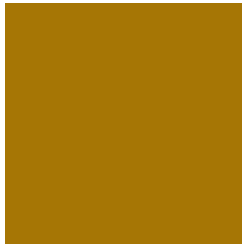
6.2415, 3.9432, 28.4076



0.1959, 0.1840, 0.7058

Previews

White Background



This preview shows how the XYZ color 22.2317, 21.0748, 3.0397 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 22.2317, 21.0748, 3.0397 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 22.2317, 21.0748, 3.0397

Background



This preview shows how black text looks on a background with the XYZ color 22.2317, 21.0748, 3.0397.



This preview shows how white text looks on a background with the XYZ color 22.2317, 21.0748,

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

22.2317, 21.0748, 3.0397

Protanopia

18.9775, 21.0425, 3.3780

Deuteranopia

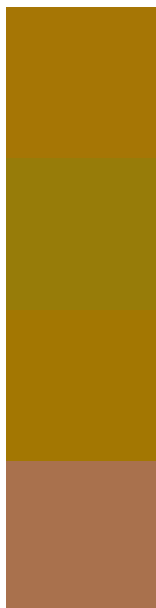
21.4144, 21.0100, 2.9267



Tritanopia

25.6405, 21.1178, 19.8643

Trichromacy



Original Color

22.2317, 21.0748, 3.0397

Protanomaly

20.0195, 21.0143, 3.2595

Deuteranomaly

21.7120, 20.9846, 2.9635

Tritanomaly

23.6069, 20.7811, 9.7881

Monochromacy



Original Color

22.2317, 21.0748, 3.0397

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1253, 18.9780, 9.9155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2317, 21.0748, 3.0397 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(166, 118, 5)` looks like.

```
.text, #text, p{  
    color:rgb(166, 118, 5)  
}
```

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(166, 118, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 118, 5) }
```

Border

The CSS property to change the border of an element to XYZ 22.2317, 21.0748, 3.0397 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(166, 118, 5) }
```


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

```
.border{ border-color:rgb(166, 118, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 118, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 118, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 118, 5);  
box-shadow:4px 4px 4px 4px rgb(166, 118,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2317, 21.0748, 3.0397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 118, 5) }
```

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

```
.background{ background-color: rgb(166,  
118, 5) }
```

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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