

Converting Colors

XYZ(21.7949, 21.5542, 1.4979)

Have a look what the booklet for
XYZ(21.7949, 21.5542, 1.4979)
contains.

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Color

**XYZ(22.0638, 21.7056,
3.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	A37A00
RGB	163, 122, 0
RGB Percent	64%, 48%, 0%
CMY	0.3608, 0.5216, 1.0000
CMYK	0.00, 0.25, 1.00, 0.36
HSL	45°, 100%, 32%
HSV	45°, 100%, 64%
XYZ	22.0638, 21.7056, 3.0267
YIQ	120.3510, 63.5980, -29.2500

Conversions

Conversions Part 2

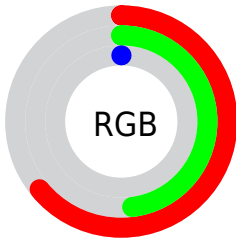
Format	Color
R_{YB}	55, 163, 0
Decimal	10713600
CIE Lab	53.71, 6.80, 59.61
CIE LCh	54, 59.997, 83.489
Yxy	21.7056, 0.4715, 0.4638
Android (android.graphics.Color)	4288903680 (0xFFA37A00)
YUV	120.3510, -59.3330, 37.4032
Hunter-Lab	46.5893, 3.0030, 28.7607

Details

The XYZ color **22.0638, 21.7056, 3.0267** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4039, 4.2304, 35.0764**, and the grayscale version is **18.1361, 19.0806, 20.7787**.

A 20% lighter version of the original color is **46.2436, 46.1950, 11.6335**, and **8.3926, 7.9617, 1.0944** is the 20% darker color. If you saturate the color by 10%, you get **22.0640, 21.7062, 3.0268**, and if you desaturate by 10%, it is **22.6742, 22.7732, 3.7030**.

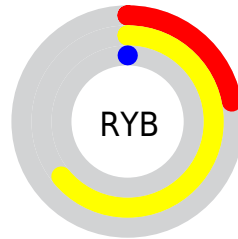
Distribution



Red (64%)

Green (48%)

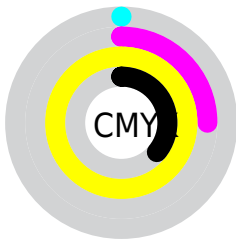
Blue (0%)



Red (22%)

Yellow (64%)

Blue (0%)

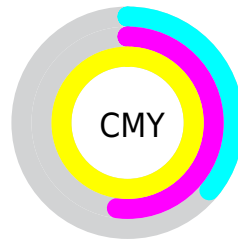


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0638, 21.7056, 3.0267 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 22.0638, 21.7056, 3.0267 by changing the saturation by 10% instead.

■ 22.0638, 21.7056,
3.0267

■ 22.0638, 21.7056,
3.0267

255.5054,
261.0050, 136.7000

■ 14.0207, 13.6407,
1.1083

■ 46.3295, 46.2589,
11.6942

■ 8.2168, 7.8712,
0.0000

■ 63.2827, 63.5162,
19.2805

■ 4.2870, 4.0127,
0.0000

■ 83.9367, 84.6064,
29.5930

■ 1.8657, 1.6806,
0.0000

■ 108.6568,
109.9139, 43.0505

■ 0.5568, 0.4111,
0.0000

■ 137.8084,
139.8231, 60.0714

■ 0.0000, 0.0000,
0.0000

■ 171.7568,

174.7184, 81.0742

■ 210.8673,
214.9842, 106.4776

■ 22.0638, 21.7056,
3.0267

■ 22.0638, 21.7056,
3.0267

■ 22.0640, 21.7062,
3.0268

■ 22.6742, 22.7732,
3.7030

■ 23.3830, 23.9137,
4.7936

■ 24.2237, 25.1417,
6.4716

■ 25.2108, 26.4634,
8.8118

■ 26.3565, 27.8842,
11.8778

■ 27.6717, 29.4088,
15.7256

■ 29.1663, 31.0413,
20.4060

■ 30.8492, 32.7860,
25.9651

■ 32.7289, 34.6464,
32.4459

Harmonies

Analogous

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



28.8911, 21.7056, 5.0744



22.0638, 21.7056, 3.0267



16.0867, 21.7056, 3.7671

Triad

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



22.0638, 21.7056, 3.0267



11.2456, 21.7056, 40.7321



32.2420, 21.7056, 51.5636

Complementary

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



22.0638, 21.7056, 3.0267



7.4039, 4.2304, 35.0764

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.



25.9583, 21.7056, 73.2195



22.0638, 21.7056, 3.0267



14.1169, 21.7056, 65.0175

Square

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



22.0638, 21.7056, 3.0267



10.6272, 21.7056, 19.8433



19.2607, 21.7056, 79.1184



35.5051, 21.7056, 27.8784

Rectangle

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



22.0638, 21.7056, 3.0267



13.2410, 21.7056, 6.1333



19.2607, 21.7056, 79.1184



30.3574, 21.7056, 59.7316

Sweetspot

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



22.0643, 21.7067, 3.0271



52.0760, 55.4238, 36.0345



15.5490, 7.9645, 3.0490



11.4475, 12.1800, 7.3039



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.0643, 21.7067, 3.0271



39.3487, 38.5413, 5.3653



21.5499, 30.5518, 4.7615



7.4979, 7.9342, 7.5164



17.1853, 16.9446, 2.3649



0.3952, 0.4243, 0.0611

Inverse Universe

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



7.4039, 4.2304, 35.0764



13.1233, 7.3033, 62.7741



7.4117, 3.0573, 34.8496



6.8385, 7.1360, 8.9200



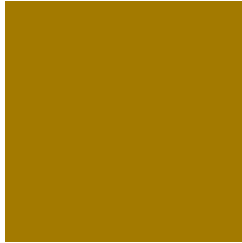
5.7858, 3.3509, 27.2716



0.1567, 0.1406, 0.5847

Previews

White Background



This preview shows how the XYZ color 22.0638, 21.7056, 3.0267 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 22.0638, 21.7056, 3.0267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

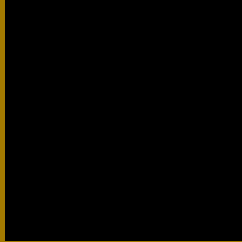
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0638, 21.7056, 3.0267

Background



This preview shows how black text looks on a background with the XYZ color 22.0638, 21.7056, 3.0267.



This preview shows how white text looks on a background with the XYZ color 22.0638, 21.7056,

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

22.0638, 21.7056, 3.0267

Protanopia

19.5766, 21.7400, 3.4229

Deuteranopia

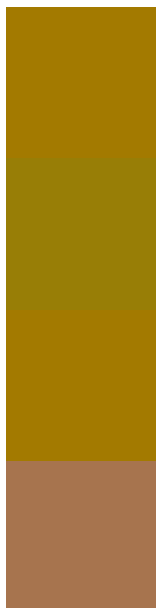
22.0638, 21.7056, 3.0267



Tritanopia

25.7802, 21.6504, 21.2325

Trichromacy



Original Color

22.0638, 21.7056, 3.0267

Protanomaly

20.4426, 21.6103, 3.2661

Deuteranomaly

22.0638, 21.7056, 3.0267

Tritanomaly

23.5569, 21.2563, 10.0690

Monochromacy



Original Color

22.0638, 21.7056, 3.0267

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2952, 19.4308, 9.6237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0638, 21.7056, 3.0267 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(163, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 122, 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(163, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.0638, 21.7056, 3.0267 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(163, 122, 0) }
```


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

```
.border{ border-color:rgb(163, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0638, 21.7056, 3.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 122, 0) }
```

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

```
.background{ background-color: rgb(163,  
122, 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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