

Converting Colors

XYZ(20.5374, 20.8512, 2.9422)

Have a look what the booklet for
XYZ(20.5374, 20.8512, 2.9422)
contains.

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Color

**XYZ(20.6698, 20.9870,
2.9615)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7A00
RGB	156, 122, 0
RGB Percent	61%, 48%, 0%
CMY	0.3882, 0.5216, 1.0000
CMYK	0.00, 0.22, 1.00, 0.39
HSL	47°, 100%, 31%
HSV	47°, 100%, 61%
XYZ	20.6698, 20.9870, 2.9615
YIQ	118.2580, 59.4260, -30.7340

Conversions

Conversions Part 2

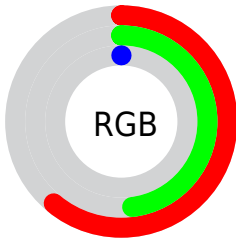
Format	Color
R_{YB}	43, 156, 0
Decimal	10254848
CIE _{Lab}	52.94, 3.54, 58.71
CIE _{LCh}	53, 58.814, 86.545
Yxy	20.9870, 0.4633, 0.4704
Android (android.graphics.Color)	4288444928 (0xFF9C7A00)
YUV	118.2580, -58.3012, 33.0997
Hunter-Lab	45.8116, 0.3675, 28.2353

Details

The XYZ color **20.6698, 20.9870, 2.9615** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5729, 3.5446, 31.7898**, and the grayscale version is **17.4659, 18.3755, 20.0109**.

A 20% lighter version of the original color is **44.1438, 45.1125, 11.5352**, and **7.7043, 7.6069, 1.0622** is the 20% darker color. If you saturate the color by 10%, you get **20.6700, 20.9875, 2.9616**, and if you desaturate by 10%, it is **21.1856, 21.8739, 3.5805**.

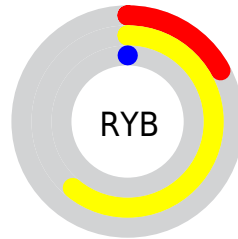
Distribution



Red (61%)

Green (48%)

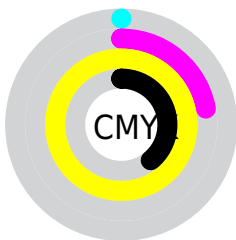
Blue (0%)



Red (17%)

Yellow (61%)

Blue (0%)

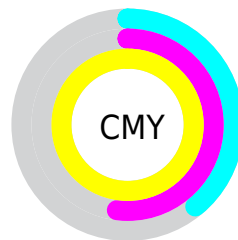


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6698, 20.9870, 2.9615 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 20.6698, 20.9870, 2.9615 by changing the saturation by 10% instead.

■ 20.6698, 20.9870,
2.9615

■ 20.6698, 20.9870,
2.9615

248.2835,
257.2094, 135.8688

■ 12.9939, 13.1145,
1.0750

■ 44.0328, 45.0659,
11.5333

■ 7.5013, 7.5074,
0.0000

■ 60.4506, 62.0411,
19.0557

■ 3.8267, 3.7814,
0.0000

■ 80.5131, 82.8193,
29.2938

■ 1.6045, 1.5521,
0.0000

■ 104.5856,
107.7849, 42.6661

■ 0.3954, 0.3250,
0.0000

■ 133.0336,
137.3223, 59.5912

■ 0.0000, 0.0000,
0.0000

■ 166.2223,

171.8160, 80.4877

■ 204.5172,
211.6502, 105.7740

■ 20.6698, 20.9870,
2.9615

■ 20.6698, 20.9870,
2.9615

■ 20.6700, 20.9875,
2.9616

■ 21.1856, 21.8739,
3.5805

■ 21.7847, 22.8167,
4.5667

■ 22.4982, 23.8293,
6.0828

■ 23.3392, 24.9169,
8.1957

■ 24.3186, 26.0841,
10.9623

■ 25.4460, 27.3349,
14.4328

■ 26.7301, 28.6732,
18.6525

■ 28.1789, 30.1024,
23.6629

■ 29.8000, 31.6255,
29.5027

Harmonies

Analogous

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



27.2158, 20.9870, 4.6253



20.6698, 20.9870, 2.9615



15.1083, 20.9870, 3.9558

Triad

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



20.6698, 20.9870, 2.9615



11.1167, 20.9870, 41.6117



31.5520, 20.9870, 47.1177

Complementary

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



20.6698, 20.9870, 2.9615



6.5729, 3.5446, 31.7898

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.



25.7232, 20.9870, 68.6145



20.6698, 20.9870, 2.9615



14.1043, 20.9870, 64.4474

Square

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



20.6698, 20.9870, 2.9615



10.3062, 20.9870, 20.8675



19.2423, 20.9870, 76.1924



34.2609, 20.9870, 24.9569

Rectangle

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



20.6698, 20.9870, 2.9615



12.5253, 20.9870, 6.5595



19.2423, 20.9870, 76.1924



29.8407, 20.9870, 55.0245

Sweetspot

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



20.6703, 20.9880, 2.9619



48.4020, 51.9292, 33.3795



14.0349, 7.1979, 2.3514



10.4443, 11.2147, 6.6578



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.



20.6703, 20.9880, 2.9619



37.3935, 37.8208, 5.3293



18.8802, 27.3811, 4.2902



7.0474, 7.4749, 7.0570



17.0520, 17.3396, 2.4481



0.3330, 0.3662, 0.0531

Inverse Universe

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



6.5729, 3.5446, 31.7898



11.8169, 6.1952, 57.6997



6.9396, 2.8844, 31.6431



6.3961, 6.6580, 8.3547



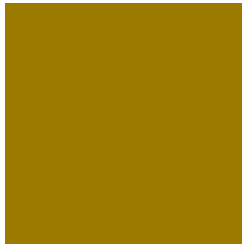
5.4359, 2.9634, 26.1927



0.1246, 0.1077, 0.4775

Previews

White Background



This preview shows how the XYZ color 20.6698, 20.9870, 2.9615 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 20.6698, 20.9870, 2.9615 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 20.6698, 20.9870, 2.9615

Background



This preview shows how black text looks on a background with the XYZ color 20.6698, 20.9870, 2.9615.



This preview shows how white text looks on a background with the XYZ color 20.6698, 20.9870,

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

20.6698, 20.9870, 2.9615

Protanopia

18.9609, 21.0359, 3.2907

Deuteranopia

21.2630, 20.9262, 3.1769



Tritanopia

24.3183, 20.8968, 21.1641

Trichromacy



Original Color

20.6698, 20.9870, 2.9615

Protanomaly

19.5738, 20.9741, 3.1603

Deuteranomaly

21.1683, 21.0588, 3.1214

Tritanomaly

22.1177, 20.5144, 10.0017

Monochromacy



Original Color

20.6698, 20.9870, 2.9615

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.3825, 18.6072, 9.3320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6698, 20.9870, 2.9615 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6698, 20.9870, 2.9615 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, 122, 0) }
```


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

```
.border{ border-color:rgb(156, 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(156, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6698, 20.9870, 2.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 122, 0) }
```

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

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