

Converting Colors

XYZ(20.2838, 13.9888, 1.6310)

Have a look what the booklet for
XYZ(20.2838, 13.9888, 1.6310)
contains.

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Color

**XYZ(20.2870, 13.9952,
1.6321)**

Conversions

Conversions Part 1

Format	Color
Hex	B04900
RGB	176, 73, 0
RGB Percent	69%, 29%, 0%
CMY	0.3098, 0.7137, 1.0000
CMYK	0.00, 0.59, 1.00, 0.31
HSL	25°, 100%, 35%
HSV	25°, 100%, 69%
XYZ	20.2870, 13.9952, 1.6321
YIQ	95.4750, 84.8210, -0.8670

Conversions

Conversions Part 2

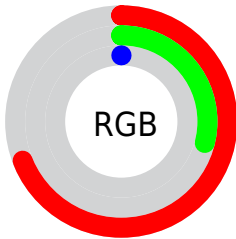
Format	Color
R_{YB}	176, 125, 0
Decimal	11553024
CIE Lab	44.23, 39.22, 54.53
CIE LCh	44, 67.163, 54.275
Yxy	13.9952, 0.5649, 0.3897
Android (android.graphics.Color)	4289743104 (0xFFB04900)
YUV	95.4750, -47.0692, 70.6204
Hunter-Lab	37.4102, 31.3302, 23.6005

Details

The XYZ color **20.2870, 13.9952, 1.6321** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.6862, 12.8341, 42.8824**, and the grayscale version is **11.0876, 11.6650, 12.7032**.

A 20% lighter version of the original color is **43.3320, 33.1398, 7.9837**, and **7.3384, 4.1812, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **20.2872, 13.9957, 1.6322**, and if you desaturate by 10%, it is **21.1270, 15.5059, 2.4348**.

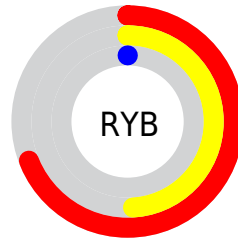
Distribution



Red (69%)

Green (29%)

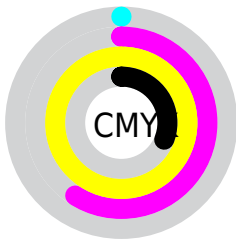
Blue (0%)



Red (69%)

Yellow (49%)

Blue (0%)

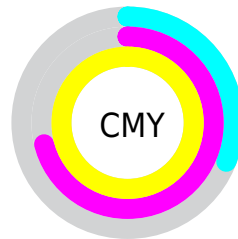


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2870, 13.9952, 1.6321 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 20.2870, 13.9952, 1.6321 by changing the saturation by 10% instead.


 20.2870, 13.9952,
1.6321


 20.2870, 13.9952,
1.6321


 246.2687,
217.2010, 116.3738


 12.7133, 8.1173,
0.3136


 43.3981, 33.0805,
8.0081


 7.3071, 4.1701,
0.0000


 59.6663, 47.0567,
14.0381


 3.7029, 1.7692,
0.0000

 79.5633, 64.5012,
22.5208

 1.5355, 0.4678,
0.0000

 103.4545, 85.7983,
33.8748

 0.3498, 0.0000,
0.0000


 131.7053,
111.3324, 48.5185


 0.0000, 0.0000,
0.0000


 164.6810,


141.4880, 66.8706


 202.7470,
176.6494, 89.3495


 20.2870, 13.9952,
1.6321


 20.2870, 13.9952,
1.6321


 20.2872, 13.9957,
1.6322

 21.1270, 15.5059,
2.4348

 22.1784, 17.2880,
3.7739

 23.4831, 19.3668,
5.8449

 25.0629, 21.7581,
8.7400

 26.9368, 24.4766,
12.5378

■ 29.1217, 27.5355,
17.3076

■ 31.6332, 30.9473,
23.1116

■ 34.4857, 34.7240,
30.0071

■ 37.6926, 38.8765,
38.0469

Harmonies

Analogous

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



25.1080, 13.9952, 6.0280



20.2870, 13.9952, 1.6321



14.3587, 13.9952, 0.6588

Triad

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



20.2870, 13.9952, 1.6321



5.4466, 13.9952, 12.4752



18.0142, 13.9952, 61.2091

Complementary

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



20.2870, 13.9952, 1.6321



12.6862, 12.8341, 42.8824

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.



12.2985, 13.9952, 67.6571



20.2870, 13.9952, 1.6321



5.9355, 13.9952, 30.9140

Square

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



20.2870, 13.9952, 1.6321



6.5574, 13.9952, 3.6729



8.1384, 13.9952, 54.0547



23.5677, 13.9952, 39.8446

Rectangle

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



20.2870, 13.9952, 1.6321



10.9151, 13.9952, 0.7804



8.1384, 13.9952, 54.0547



16.0138, 13.9952, 65.6100

Sweetspot

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



20.2873, 13.9960, 1.6323



57.1177, 55.7865, 41.3141



20.4851, 10.2624, 14.4282



11.9595, 11.5246, 7.9742



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.2873, 13.9960, 1.6323



36.5829, 24.9604, 2.8897



30.1994, 33.8202, 4.9364



8.7763, 9.0651, 8.9397



14.9402, 10.3790, 1.2159



0.5282, 0.4428, 0.0576

Inverse Universe

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



12.6862, 12.8341, 42.8824



22.7798, 22.8191, 77.6992



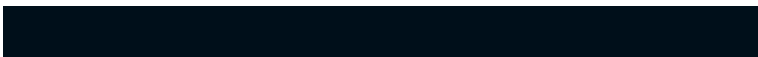
8.0463, 3.5544, 41.3358



8.4413, 9.0287, 10.8041



9.3668, 9.5340, 31.4836



0.3506, 0.4118, 1.0092

Previews

White Background



This preview shows how the XYZ color 20.2870, 13.9952, 1.6321 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



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

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

XYZ 20.2870, 13.9952, 1.6321

Background



This preview shows how black text looks on a background with the XYZ color 20.2870, 13.9952, 1.6321.



This preview shows how white text looks on a background with the XYZ color 20.2870, 13.9952,

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

20.2870, 13.9952, 1.6321

Protanopia

12.8630, 14.2705, 2.6068

Deuteranopia

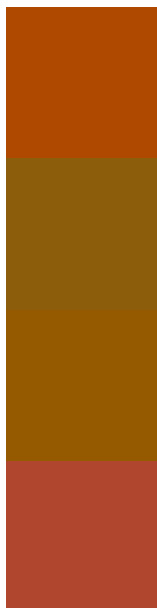
14.2300, 14.1009, 1.9717



Tritanopia

21.5969, 14.0671, 7.7078

Trichromacy



Original Color

20.2870, 13.9952, 1.6321

Protanomaly

14.8783, 13.6050, 2.1585

Deuteranomaly

16.0506, 13.7019, 1.7988

Tritanomaly

20.8148, 13.9247, 4.1754

Monochromacy



Original Color

20.2870, 13.9952, 1.6321

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.5360, 11.4277, 5.8200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2870, 13.9952, 1.6321 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(176, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 73, 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(176, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2870, 13.9952, 1.6321 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(176, 73, 0) }
```


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

```
.border{ border-color:rgb(176, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2870, 13.9952, 1.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 73, 0) }
```

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

```
.background{ background-color: rgb(176, 73,  
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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