

Converting Colors

XYZ(16.9257, 10.5838, 1.1517)

Have a look what the booklet for
XYZ(16.9257, 10.5838, 1.1517)
contains.

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Color

**XYZ(16.9990, 10.6532,
1.1603)**

Conversions

Conversions Part 1

Format	Color
Hex	A63500
RGB	166, 53, 0
RGB Percent	65%, 21%, 0%
CMY	0.3490, 0.7921, 1.0000
CMYK	0.00, 0.68, 1.00, 0.35
HSL	19°, 100%, 33%
HSV	19°, 100%, 65%
XYZ	16.9990, 10.6532, 1.1603
YIQ	80.7450, 84.3610, 7.4730

Conversions

Conversions Part 2

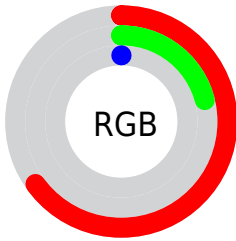
Format	Color
R_{YB}	166, 78, 0
Decimal	10892544
CIE _{Lab}	38.99, 44.68, 50.80
CIE _{LCh}	39, 67.653, 48.666
Yxy	10.6532, 0.5900, 0.3697
Android (android.graphics.Color)	4289082624 (0xFFA63500)
YUV	80.7450, -39.8073, 74.7686
Hunter-Lab	32.6392, 35.8468, 20.7398

Details

The XYZ color **16.9990, 10.6532, 1.1603** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.7872, 14.5618, 38.2129**, and the grayscale version is **7.8357, 8.2437, 8.9774**.

A 20% lighter version of the original color is **37.6891, 26.8542, 6.5651**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **16.9992, 10.6538, 1.1604**, and if you desaturate by 10%, it is **17.6746, 11.8477, 1.8694**.

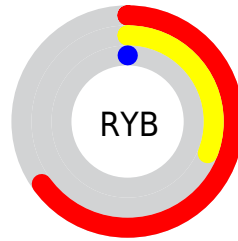
Distribution



Red (65%)

Green (21%)

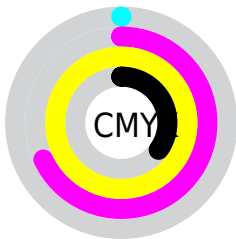
Blue (0%)



Red (65%)

Yellow (31%)

Blue (0%)

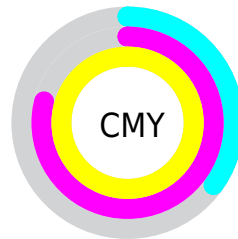


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9990, 10.6532, 1.1603 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 16.9990, 10.6532, 1.1603 by changing the saturation by 10% instead.


 16.9990, 10.6532,
1.1603


 16.9990, 10.6532,
1.1603


 228.3230,
195.2726, 107.5557


 10.3291, 5.8341,
0.0000


 37.8677, 27.0171,
6.5824


 5.6816, 2.7445,
0.0000

 52.7971, 39.3307,
11.9424


 2.6913, 0.9998,
0.0000

 71.2105, 54.9113,
19.6264

 0.9927, 0.0000,
0.0000


 93.4731, 74.1432,
30.0530


 0.0000, 0.0000,
0.0000


 119.9502, 97.4109,
43.6407


 151.0074,


125.0988, 60.8080


 187.0098,
157.5912, 81.9735


 16.9990, 10.6532,
1.1603


 16.9990, 10.6532,
1.1603


 16.9992, 10.6538,
1.1604

 17.6746, 11.8477,
1.8694

 18.5605, 13.3326,
3.0488

 19.6977, 15.1366,
4.8786

 21.1079, 17.2787,
7.4390

 22.8097, 19.7766,
10.7988

■ 24.8202, 22.6463,
15.0185

■ 27.1550, 25.9029,
20.1528

■ 29.8285, 29.5606,
26.2517

■ 32.8542, 33.6329,
33.3619

Harmonies

Analogous

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



20.7611, 10.6532, 5.3291



16.9990, 10.6532, 1.1603



11.9268, 10.6532, 0.0623

Triad

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



16.9990, 10.6532, 1.1603



3.7816, 10.6532, 7.3720



13.1617, 10.6532, 54.6113

Complementary

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



16.9990, 10.6532, 1.1603



12.7872, 14.5618, 38.2129

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.



8.5154, 10.6532, 56.9528



16.9990, 10.6532, 1.1603



3.9324, 10.6532, 21.4999

Square

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



16.9990, 10.6532, 1.1603



4.9109, 10.6532, 1.7146



5.4109, 10.6532, 42.0184



18.1307, 10.6532, 36.9415

Rectangle

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



16.9990, 10.6532, 1.1603



8.8745, 10.6532, 0.0240



5.4109, 10.6532, 42.0184



11.4890, 10.6532, 57.5346

Sweetspot

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



16.9992, 10.6538, 1.1605



49.0317, 46.6629, 36.0104



18.7309, 9.3090, 16.5606



10.5745, 9.8900, 7.1752



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.



16.9992, 10.6538, 1.1605



30.6822, 18.9959, 2.0494



24.4690, 25.5934, 3.6504



7.7194, 7.9188, 7.9109



13.2203, 8.3378, 0.9126



0.3674, 0.2944, 0.0375

Inverse Universe

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



12.7872, 14.5618, 38.2129



23.0094, 26.0317, 69.2872



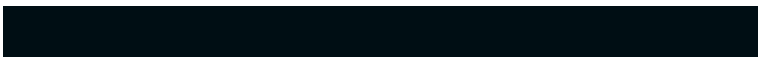
7.3582, 3.7038, 36.4032



7.5425, 8.1220, 9.5885



9.9593, 11.3789, 29.6469



0.2854, 0.3630, 0.7357

Previews

White Background



This preview shows how the XYZ color 16.9990, 10.6532, 1.1603 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 16.9990, 10.6532, 1.1603

Background



This preview shows how black text looks on a background with the XYZ color 16.9990, 10.6532, 1.1603.



This preview shows how white text looks on a background with the XYZ color 16.9990, 10.6532,

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

16.9990, 10.6532, 1.1603

Protanopia

9.8492, 10.8756, 2.1524

Deuteranopia

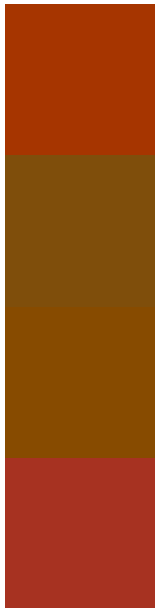
10.8258, 10.7614, 1.5066



Tritanopia

17.6545, 10.6600, 4.3759

Trichromacy



Original Color

16.9990, 10.6532, 1.1603

Protanomaly

11.5372, 9.9850, 1.6358

Deuteranomaly

12.5078, 10.1831, 1.3063

Tritanomaly

17.3515, 10.6065, 2.5716

Monochromacy



Original Color

16.9990, 10.6532, 1.1603

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.5552, 8.1992, 4.3278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9990, 10.6532, 1.1603 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, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 53, 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(166, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9990, 10.6532, 1.1603 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, 53, 0) }
```


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

```
.border{ border-color:rgb(166, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9990, 10.6532, 1.1603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 53, 0) }
```

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

```
.background{ background-color: rgb(166, 53,  
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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