

Converting Colors

XYZ(16.2745, 13.0475, 1.6607)

Have a look what the booklet for
XYZ(16.2745, 13.0475, 1.6607)
contains.

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Color

**XYZ(16.3072, 13.1130,
1.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	995400
RGB	153, 84, 0
RGB Percent	60%, 33%, 0%
CMY	0.4000, 0.6706, 1.0000
CMYK	0.00, 0.45, 1.00, 0.40
HSL	33°, 100%, 30%
HSV	33°, 100%, 60%
XYZ	16.3072, 13.1130, 1.6716
YIQ	95.0550, 68.0880, -11.4960

Conversions

Conversions Part 2

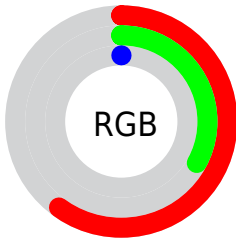
Format	Color
R_{YB}	126, 153, 0
Decimal	10048512
CIE _{Lab}	42.93, 23.81, 51.90
CIE _{LCh}	43, 57.103, 65.355
Yxy	13.1130, 0.5245, 0.4218
Android (android.graphics.Color)	4288238592 (0xFF995400)
YUV	95.0550, -46.8621, 50.8178
Hunter-Lab	36.2119, 17.0127, 22.6114

Details

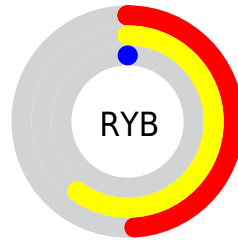
The XYZ color **16.3072, 13.1130, 1.6716** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8778, 6.5560, 30.9869**, and the grayscale version is **10.9884, 11.5606, 12.5895**.

A 20% lighter version of the original color is **36.7294, 31.5018, 8.1476**, and **5.4124, 3.8191, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **16.3073, 13.1134, 1.6716**, and if you desaturate by 10%, it is **16.9581, 14.2735, 2.3247**.

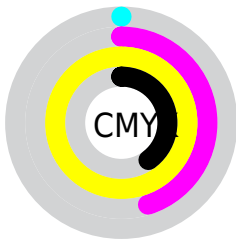
Distribution



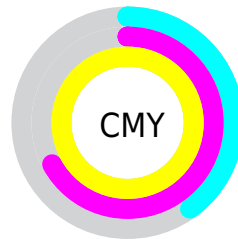
- Red (60%)
- Green (33%)
- Blue (0%)



- Red (49%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (40%)





- Cyan (40%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3072, 13.1130, 1.6716 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 16.3072, 13.1130, 1.6716 by changing the saturation by 10% instead.


 16.3072, 13.1130,
1.6716


 16.3072, 13.1130,
1.6716


 224.3826,
211.6406, 117.0489


 9.8340, 7.5064,
0.3412


 36.6839, 31.5066,
8.1218


 5.3505, 3.7808,
0.0000

 51.3180, 45.0625,
14.2033

 2.4912, 1.5517,
0.0000

 69.4033, 62.0369,
22.7470

 0.8908, 0.3247,
0.0000


 91.3049, 82.8142,
34.1716


 0.0000, 0.0000,
0.0000


 117.3883,
107.7788, 48.8955


 148.0188,


137.3152, 67.3374


 183.5618,
171.8076, 89.9156


 16.3072, 13.1130,
1.6716


 16.3072, 13.1130,
1.6716


 16.3073, 13.1134,
1.6716

 16.9581, 14.2735,
2.3247

 17.7283, 15.5679,
3.3397

 18.6495, 17.0117,
4.8756

 19.7351, 18.6124,
6.9962

 20.9967, 20.3768,
9.7562

■ 22.4447, 22.3110,
13.2039

■ 24.0884, 24.4207,
17.3827

■ 25.9366, 26.7112,
22.3327

■ 27.9973, 29.1878,
28.0907

Harmonies

Analogous

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



20.6522, 13.1130, 4.3874



16.3072, 13.1130, 1.6716



11.6954, 13.1130, 1.2201

Triad

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



16.3072, 13.1130, 1.6716



5.8283, 13.1130, 16.6444



17.9872, 13.1130, 44.2836

Complementary

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



16.3072, 13.1130, 1.6716



7.8778, 6.5560, 30.9869

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.



13.2646, 13.1130, 54.1560



16.3072, 13.1130, 1.6716



6.7884, 13.1130, 33.2275

Square

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



16.3072, 13.1130, 1.6716



6.2785, 13.1130, 6.4086



9.2769, 13.1130, 49.2356



21.7703, 13.1130, 26.8516

Rectangle

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



16.3072, 13.1130, 1.6716



9.1995, 13.1130, 1.7020



9.2769, 13.1130, 49.2356



16.4205, 13.1130, 48.9482

Sweetspot

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



16.3075, 13.1137, 1.6718



42.9546, 43.5010, 30.6469



14.2871, 7.2324, 6.6721



9.2270, 9.2775, 6.1026



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3075, 13.1137, 1.6718



29.0172, 23.1094, 2.9312



23.5857, 29.0688, 4.3679



6.4757, 6.7566, 6.5687



13.5115, 10.9054, 1.3928



0.2383, 0.2356, 0.0329

Inverse Universe

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



7.8778, 6.5560, 30.9869



13.9277, 11.3799, 55.4345



5.8137, 2.3329, 30.2806



6.1024, 6.4621, 7.8547



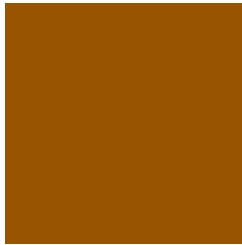
6.5433, 5.4832, 25.6212



0.1335, 0.1532, 0.3949

Previews

White Background



This preview shows how the XYZ color 16.3072, 13.1130, 1.6716 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



This preview shows how the XYZ color 16.3072, 13.1130, 1.6716 looks on a 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 16.3072, 13.1130, 1.6716

Background



This preview shows how black text looks on a background with the XYZ color 16.3072, 13.1130, 1.6716.



This preview shows how white text looks on a background with the XYZ color 16.3072, 13.1130,

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

16.3072, 13.1130, 1.6716

Protanopia

11.8880, 13.1741, 2.2641

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

18.0349, 13.1568, 9.9765

Trichromacy



Original Color

16.3072, 13.1130, 1.6716

Protanomaly

13.1893, 12.8691, 2.0186

Deuteranomaly

14.3084, 13.0576, 1.7662

Tritanomaly

17.0288, 12.9629, 4.9727

Monochromacy



Original Color

16.3072, 13.1130, 1.6716

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.7592, 11.5214, 5.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3072, 13.1130, 1.6716 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(153, 84, 0)` looks like.

```
.text, #text, p{  
  color:rgb(153, 84, 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(153, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3072, 13.1130, 1.6716 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(153, 84, 0) }
```


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

```
.border{ border-color:rgb(153, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3072, 13.1130, 1.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 84, 0) }
```

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

```
.background{ background-color: rgb(153, 84,  
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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