

Converting Colors

XYZ(16.3267, 13.6839, 0.0000)

Have a look what the booklet for
XYZ(16.3267, 13.6839, 0.0000)
contains.

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Color

**XYZ(16.6266, 13.7518,
1.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	995800
RGB	153, 88, 0
RGB Percent	60%, 35%, 0%
CMY	0.4000, 0.6549, 1.0000
CMYK	0.00, 0.42, 1.00, 0.40
HSL	35°, 100%, 30%
HSV	35°, 100%, 60%
XYZ	16.6266, 13.7518, 1.7780
YIQ	97.4030, 66.9880, -13.5880

Conversions

Conversions Part 2

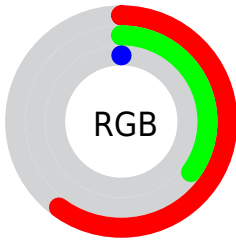
Format	Color
R _Y B	113, 153, 0
Decimal	10049536
CIE Lab	43.87, 21.55, 52.49
CIE LCh	44, 56.745, 67.676
Yxy	13.7518, 0.5171, 0.4277
Android (android.graphics.Color)	4288239616 (0xFF995800)
YUV	97.4030, -48.0197, 48.7586
Hunter-Lab	37.0834, 15.1357, 23.1157

Details

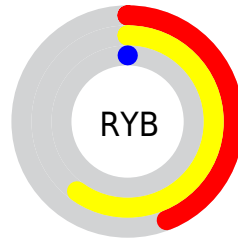
The XYZ color **16.6266, 13.7518, 1.7780** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6399, 6.0801, 30.9076**, and the grayscale version is **11.5653, 12.1676, 13.2506**.

A 20% lighter version of the original color is **37.3185, 32.6389, 8.4707**, and **5.6518, 4.1427, 0.5017** is the 20% darker color. If you saturate the color by 10%, you get **16.6268, 13.7523, 1.7781**, and if you desaturate by 10%, it is **17.2729, 14.9031, 2.4295**.

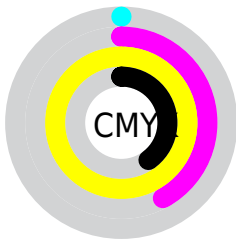
Distribution



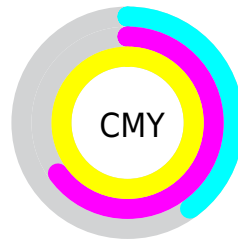
- Red (60%)
- Green (35%)
- Blue (0%)



- Red (44%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6266, 13.7518, 1.7780 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 16.6266, 13.7518, 1.7780 by changing the saturation by 10% instead.

■ 16.6266, 13.7518,
1.7780

■ 16.6266, 13.7518,
1.7780

■ 226.2097,
215.6813, 118.8284

■ 10.0623, 7.9482,
0.4134

■ 37.2314, 32.6480,
8.4245

■ 5.5029, 4.0618,
0.0000

■ 52.0025, 46.5094,
14.6417

■ 2.5830, 1.7082,
0.0000

■ 70.2400, 63.8256,
23.3462

■ 0.9373, 0.4290,
0.0000


■ 92.3092, 84.9808,
34.9567


■ 0.0000, 0.0000,
0.0000


■ 118.5754,
110.3597, 49.8916


■ 149.4040,


140.3464, 68.5695


 185.1603,
175.3255, 91.4089


 16.6266, 13.7518,
1.7780


 16.6266, 13.7518,
1.7780


 16.6268, 13.7523,
1.7781

 17.2729, 14.9031,
2.4295

 18.0329, 16.1773,
3.4411

 18.9383, 17.5895,
4.9716

 20.0022, 19.1467,
7.0850

 21.2359, 20.8553,
9.8356

■ 22.6496, 22.7208,
13.2718

■ 24.2524, 24.7487,
17.4369

■ 26.0529, 26.9439,
22.3708

■ 28.0589, 29.3112,
28.1106

Harmonies

Analogous

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



21.1509, 13.7518, 4.3842



16.6266, 13.7518, 1.7780



11.9525, 13.7518, 1.4127

Triad

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



16.6266, 13.7518, 1.7780



6.2529, 13.7518, 18.5198



19.0801, 13.7518, 44.2516

Complementary

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



16.6266, 13.7518, 1.7780



7.6399, 6.0801, 30.9076

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.



14.2565, 13.7518, 55.1948



16.6266, 13.7518, 1.7780



7.3655, 13.7518, 35.7031

Square

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



16.6266, 13.7518, 1.7780



6.6074, 13.7518, 7.4165



10.0617, 13.7518, 51.3975



22.7783, 13.7518, 26.4467

Rectangle

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



16.6266, 13.7518, 1.7780



9.4612, 13.7518, 2.0240



10.0617, 13.7518, 51.3975



17.4981, 13.7518, 49.2116

Sweetspot

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



16.6269, 13.7525, 1.7782



43.2533, 44.0984, 30.7465



14.1291, 7.1692, 5.8401



9.2994, 9.4224, 6.1267



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.



16.6269, 13.7525, 1.7782



29.5898, 24.2548, 3.1221



22.6842, 28.6040, 4.3256



6.4889, 6.7829, 6.5731



13.7754, 11.4332, 1.4808



0.2419, 0.2429, 0.0341

Inverse Universe

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



7.6399, 6.0801, 30.9076



13.5060, 10.5365, 55.2939



5.8775, 2.3658, 30.2836



6.0894, 6.4362, 7.8503



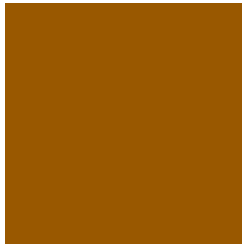
6.3460, 5.0887, 25.5554



0.1298, 0.1460, 0.3937

Previews

White Background



This preview shows how the XYZ color 16.6266, 13.7518, 1.7780 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 16.6266, 13.7518, 1.7780 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 16.6266, 13.7518, 1.7780

Background



This preview shows how black text looks on a background with the XYZ color 16.6266, 13.7518, 1.7780.



This preview shows how white text looks on a background with the XYZ color 16.6266, 13.7518,

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

16.6266, 13.7518, 1.7780

Protanopia

12.5891, 13.9812, 2.3830

Deuteranopia

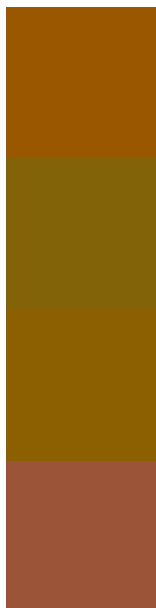
13.9776, 13.8292, 1.9326



Tritanopia

18.4890, 13.8071, 10.9231

Trichromacy



Original Color

16.6266, 13.7518, 1.7780

Protanomaly

13.8657, 13.7665, 2.1561

Deuteranomaly

14.9074, 13.7599, 1.8702

Tritanomaly

17.4017, 13.5947, 5.4483

Monochromacy



Original Color

16.6266, 13.7518, 1.7780

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.2083, 12.1351, 6.2563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6266, 13.7518, 1.7780 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 88, 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, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6266, 13.7518, 1.7780 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, 88, 0) }
```


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

```
.border{ border-color:rgb(153, 88, 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, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6266, 13.7518, 1.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 88, 0) }
```

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

```
.background{ background-color: rgb(153, 88,  
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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