

Converting Colors

XYZ(16.0291, 13.6870, 0.2293)

Have a look what the booklet for
XYZ(16.0291, 13.6870, 0.2293)
contains.

XYZ(16.4187, 13.8916, 1.8160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4187, 13.8916,
1.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	975A00
RGB	151, 90, 0
RGB Percent	59%, 35%, 0%
CMY	0.4078, 0.6470, 1.0000
CMYK	0.00, 0.40, 1.00, 0.41
HSL	36°, 100%, 30%
HSV	36°, 100%, 59%
XYZ	16.4187, 13.8916, 1.8160
YIQ	97.9790, 65.2460, -15.0580

Conversions

Conversions Part 2

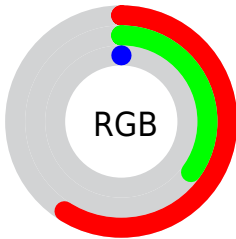
Format	Color
R_{YB}	102, 151, 0
Decimal	9918976
CIE _{Lab}	44.08, 19.51, 52.48
CIE _{LCh}	44, 55.992, 69.606
Yxy	13.8916, 0.5111, 0.4324
Android (android.graphics.Color)	4288109056 (0xFF975A00)
YUV	97.9790, -48.3036, 46.4994
Hunter-Lab	37.2714, 13.4073, 23.2012

Details

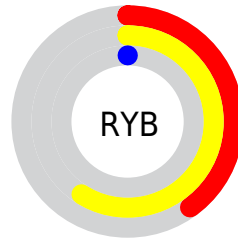
The XYZ color **16.4187, 13.8916, 1.8160** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2547, 5.5719, 29.9712**, and the grayscale version is **11.7098, 12.3196, 13.4160**.

A 20% lighter version of the original color is **36.7458, 32.7736, 8.5269**, and **5.5168, 4.1810, 0.5163** is the 20% darker color. If you saturate the color by 10%, you get **16.4188, 13.8920, 1.8161**, and if you desaturate by 10%, it is **17.0418, 14.9988, 2.4527**.

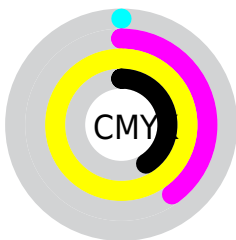
Distribution



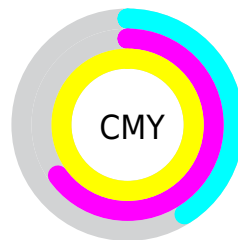
- Red (59%)
- Green (35%)
- Blue (0%)



- Red (40%)
- Yellow (59%)
- Blue (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (100%)
- Black (41%)





- Cyan (41%)
- Magenta (65%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4187, 13.8916, 1.8160 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 16.4187, 13.8916, 1.8160 by changing the saturation by 10% instead.


 16.4187, 13.8916,
1.8160


 16.4187, 13.8916,
1.8160


 225.0220,
216.5554, 119.4509


 9.9136, 8.0453,
0.4385


 36.8752, 32.8966,
8.5314


 5.4036, 4.1240,
0.0000

 51.5573, 46.8240,
14.7961


 2.5231, 1.7431,
0.0000

 69.6958, 64.2140,
23.5569

 0.9069, 0.4514,
0.0000


 91.6561, 85.4509,
35.2323


 0.0000, 0.0000,
0.0000


 117.8035,
110.9191, 50.2409


 148.5034,


141.0030, 69.0011


 184.1211,
176.0870, 91.9316


 16.4187, 13.8916,
1.8160


 16.4187, 13.8916,
1.8160


 16.4188, 13.8920,
1.8161

 17.0418, 14.9988,
2.4527

 17.7708, 16.2169,
3.4356

 18.6366, 17.5604,
4.9207

 19.6517, 19.0356,
6.9698

 20.8269, 20.6485,
9.6354

■ 22.1719, 22.4041,
12.9642

■ 23.6955, 24.3075,
16.9982

■ 25.4057, 26.3630,
21.7760

■ 27.3101, 28.5750,
27.3332

Harmonies

Analogous

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



20.9625, 13.8916, 4.2581



16.4187, 13.8916, 1.8160



11.8253, 13.8916, 1.5407

Triad

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



16.4187, 13.8916, 1.8160



6.4313, 13.8916, 19.5990



19.4508, 13.8916, 42.9869

Complementary

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



16.4187, 13.8916, 1.8160



7.2547, 5.5719, 29.9712

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.



14.6849, 13.8916, 54.4904



16.4187, 13.8916, 1.8160



7.6431, 13.8916, 36.7703

Square

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



16.4187, 13.8916, 1.8160



6.6928, 13.8916, 8.0869



10.4382, 13.8916, 51.7332



22.9683, 13.8916, 25.3846

Rectangle

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



16.4187, 13.8916, 1.8160



9.4082, 13.8916, 2.2520



10.4382, 13.8916, 51.7332



17.9029, 13.8916, 48.0453

Sweetspot

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



16.4190, 13.8923, 1.8163



42.2618, 43.3184, 29.9685



13.6575, 6.9374, 5.3100



9.3578, 9.5393, 6.1462



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.



16.4190, 13.8923, 1.8163



29.2212, 24.5130, 3.1914



21.6170, 27.5721, 4.1827



6.4995, 6.8040, 6.5766



13.9964, 11.8751, 1.5544



0.2448, 0.2487, 0.0351

Inverse Universe

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



7.2547, 5.5719, 29.9712



12.8226, 9.6393, 53.6184



5.7459, 2.3169, 29.4225



6.0791, 6.4155, 7.8469



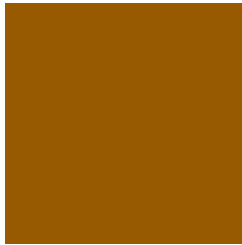
6.1982, 4.7931, 25.5062



0.1269, 0.1402, 0.3927

Previews

White Background



This preview shows how the XYZ color 16.4187, 13.8916, 1.8160 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

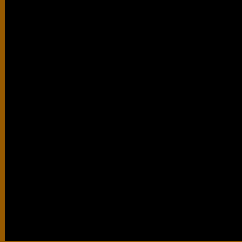
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4187, 13.8916, 1.8160

Background



This preview shows how black text looks on a background with the XYZ color 16.4187, 13.8916, 1.8160.



This preview shows how white text looks on a background with the XYZ color 16.4187, 13.8916,

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

16.4187, 13.8916, 1.8160

Protanopia

12.5891, 13.9812, 2.3830

Deuteranopia

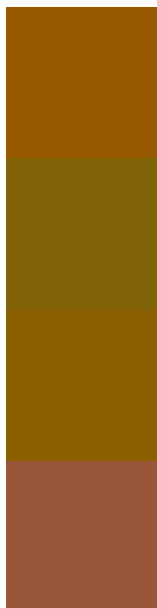
13.9776, 13.8292, 1.9326



Tritanopia

18.3422, 13.9489, 11.3985

Trichromacy



Original Color

16.4187, 13.8916, 1.8160

Protanomaly

13.8069, 13.8777, 2.1807

Deuteranomaly

14.8303, 13.8547, 1.8926

Tritanomaly

17.2032, 13.7233, 5.6130

Monochromacy



Original Color

16.4187, 13.8916, 1.8160

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2978, 12.3141, 6.2861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4187, 13.8916, 1.8160 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(151, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 90, 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(151, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.4187, 13.8916, 1.8160 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(151, 90, 0) }
```


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

```
.border{ border-color:rgb(151, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4187, 13.8916, 1.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 90, 0) }
```

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

```
.background{ background-color: rgb(151, 90,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor