

Converting Colors

XYZ(16.7601, 13.2965, 1.6831)

Have a look what the booklet for
XYZ(16.7601, 13.2965, 1.6831)
contains.

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Color

**XYZ(16.8806, 13.4086,
1.6984)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5400
RGB	156, 84, 0
RGB Percent	61%, 33%, 0%
CMY	0.3882, 0.6706, 1.0000
CMYK	0.00, 0.46, 1.00, 0.39
HSL	32°, 100%, 31%
HSV	32°, 100%, 61%
XYZ	16.8806, 13.4086, 1.6984
YIQ	95.9520, 69.8760, -10.8600

Conversions

Conversions Part 2

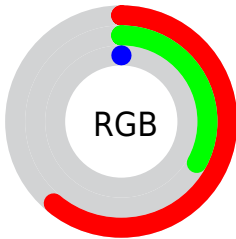
Format	Color
RYB	134, 156, 0
Decimal	10245120
CIELab	43.37, 25.14, 52.39
CIElCh	43, 58.112, 64.371
Yxy	13.4086, 0.5277, 0.4192
Android (android.graphics.Color)	4288435200 (0xFF9C5400)
YUV	95.9520, -47.3043, 52.6621
Hunter-Lab	36.6178, 18.2065, 22.8824

Details

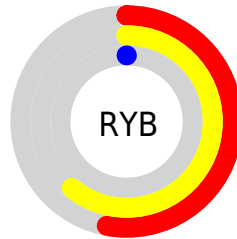
The XYZ color **16.8806, 13.4086, 1.6984** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.3179, 7.0347, 32.3715**, and the grayscale version is **11.2064, 11.7900, 12.8393**.

A 20% lighter version of the original color is **37.6077, 31.9546, 8.1887**, and **5.6986, 3.9198, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **16.8808, 13.4091, 1.6985**, and if you desaturate by 10%, it is **17.5593, 14.6213, 2.3715**.

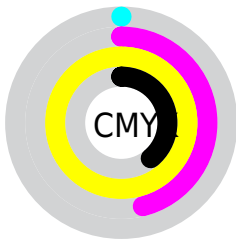
Distribution



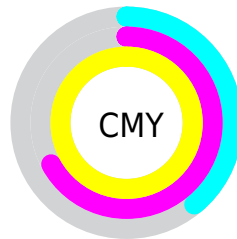
- Red (61%)
- Green (33%)
- Blue (0%)



- Red (53%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8806, 13.4086, 1.6984 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 16.8806, 13.4086, 1.6984 by changing the saturation by 10% instead.


 16.8806, 13.4086,
1.6984


 16.8806, 13.4086,
1.6984


 227.6531,
213.5200, 117.5024


 10.2442, 7.7105,
0.3596


 37.6656, 32.0359,
8.1985


 5.6247, 3.9103,
0.0000

 52.5449, 45.7339,
14.3146

 2.6567, 1.6235,
0.0000

 70.9025, 62.8674,
22.8993

 0.9749, 0.3734,
0.0000


 93.1038, 83.8207,
34.3713


 0.0000, 0.0000,
0.0000


 119.5142,
108.9782, 49.1490


 150.4989,


138.7243, 67.6511


 186.4234,
173.4434, 90.2960


 16.8806, 13.4086,
1.6984


 16.8806, 13.4086,
1.6984


 16.8808, 13.4091,
1.6985

 17.5593, 14.6213,
2.3715

 18.3658, 15.9791,
3.4267

 19.3326, 17.4981,
5.0271

 20.4740, 19.1865,
7.2399

 21.8022, 21.0516,
10.1226

■ 23.3283, 23.1000,
13.7257

■ 25.0622, 25.3379,
18.0951

■ 27.0130, 27.7711,
23.2727

■ 29.1895, 30.4052,
29.2972

Harmonies

Analogous

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



21.3374, 13.4086, 4.5807



16.8806, 13.4086, 1.6984



12.0941, 13.4086, 1.1932

Triad

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



16.8806, 13.4086, 1.6984



5.8999, 13.4086, 16.5780



18.3010, 13.4086, 46.2407

Complementary

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



16.8806, 13.4086, 1.6984



8.3179, 7.0347, 32.3715

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.



13.4177, 13.4086, 56.0724



16.8806, 13.4086, 1.6984



6.8377, 13.4086, 33.6162

Square

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



16.8806, 13.4086, 1.6984



6.4100, 13.4086, 6.2696



9.3460, 13.4086, 50.4496



22.2841, 13.4086, 28.2113

Rectangle

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



16.8806, 13.4086, 1.6984



9.4871, 13.4086, 1.6440



9.3460, 13.4086, 50.4496



16.6732, 13.4086, 50.9785

Sweetspot

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



16.8809, 13.4093, 1.6986



45.3221, 45.7694, 32.3529



14.9062, 7.5463, 6.9398



9.6945, 9.7151, 6.4079



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.8809, 13.4093, 1.6986



30.4618, 23.9573, 3.0187



24.6136, 30.3368, 4.5584



6.9140, 7.2080, 7.0125



13.9397, 11.1150, 1.4107



0.2913, 0.2829, 0.0393

Inverse Universe

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



8.3179, 7.0347, 32.3715



14.9150, 12.3914, 58.7324



6.0658, 2.4339, 31.6022



6.5244, 6.9145, 8.3974



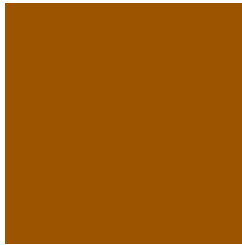
6.8854, 5.8623, 26.6759



0.1650, 0.1886, 0.4909

Previews

White Background



This preview shows how the XYZ color 16.8806, 13.4086, 1.6984 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 16.8806, 13.4086, 1.6984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

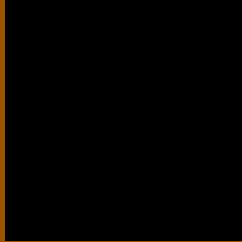
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8806, 13.4086, 1.6984

Background



This preview shows how black text looks on a background with the XYZ color 16.8806, 13.4086, 1.6984.



This preview shows how white text looks on a background with the XYZ color 16.8806, 13.4086,

1.6984.

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

16.8806, 13.4086, 1.6984

Protanopia

12.1254, 13.4426, 2.3364

Deuteranopia

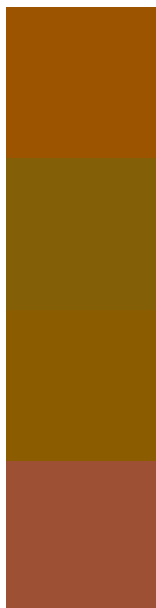
13.5736, 13.4812, 1.8867



Tritanopia

18.6227, 13.4598, 10.0040

Trichromacy



Original Color

16.8806, 13.4086, 1.6984

Protanomaly

13.5868, 13.2086, 2.0631

Deuteranomaly

14.5618, 13.3177, 1.8031

Tritanomaly

17.6118, 13.2635, 5.0000

Monochromacy



Original Color

16.8806, 13.4086, 1.6984

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.1407, 11.8428, 6.0609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8806, 13.4086, 1.6984 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(156, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.8806, 13.4086, 1.6984 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(156, 84, 0) }
```


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

```
.border{ border-color:rgb(156, 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(156, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8806, 13.4086, 1.6984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 84, 0) }
```

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

```
.background{ background-color: rgb(156, 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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