

Converting Colors

XYZ(13.9244, 14.4093, 2.0474)

Have a look what the booklet for
XYZ(13.9244, 14.4093, 2.0474)
contains.

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Color

**XYZ(13.9035, 14.3676,
2.0404)**

Conversions

Conversions Part 1

Format	Color
Hex	816700
RGB	129, 103, 0
RGB Percent	51%, 40%, 0%
CMY	0.4941, 0.5961, 1.0000
CMYK	0.00, 0.20, 1.00, 0.49
HSL	48°, 100%, 25%
HSV	48°, 100%, 51%
XYZ	13.9035, 14.3676, 2.0404
YIQ	99.0320, 48.5590, -26.5210

Conversions

Conversions Part 2

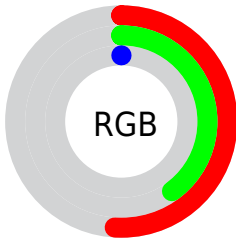
Format	Color
R_{YB}	33, 129, 0
Decimal	8480512
CIE Lab	44.76, 1.57, 51.63
CIE LCh	45, 51.652, 88.255
Yxy	14.3676, 0.4587, 0.4740
Android (android.graphics.Color)	4286670592 (0xFF816700)
YUV	99.0320, -48.8228, 26.2819
Hunter-Lab	37.9046, -0.8589, 23.3417

Details

The XYZ color **13.9035, 14.3676, 2.0404** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.3319, 2.3238, 20.9890**, and the grayscale version is **11.9789, 12.6027, 13.7244**.

A 20% lighter version of the original color is **32.6476, 33.8872, 9.2351**, and **4.3648, 4.4221, 0.6235** is the 20% darker color. If you saturate the color by 10%, you get **13.9037, 14.3681, 2.0405**, and if you desaturate by 10%, it is **14.2385, 14.9224, 2.5074**.

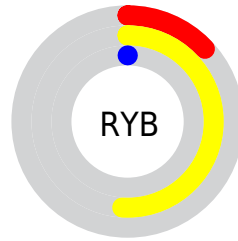
Distribution



Red (51%)

Green (40%)

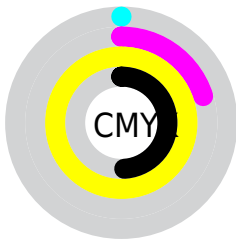
Blue (0%)



Red (13%)

Yellow (51%)

Blue (0%)

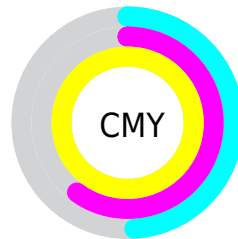


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9035, 14.3676, 2.0404 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 13.9035, 14.3676, 2.0404 by changing the saturation by 10% instead.

■ 13.9035, 14.3676,
2.0404

■ 13.9035, 14.3676,
2.0404

210.1523,
219.5058, 123.0010

■ 8.1348, 8.3768,
0.5800

■ 32.5054, 33.7399,
9.1510

■ 4.2339, 4.3370,
0.0000

■ 46.0693, 47.8901,
15.6870

■ 1.8353, 1.8638,
0.0000

■ 62.9624, 65.5289,
24.7681

■ 0.5388, 0.5265,
0.0000


■ 83.5500, 87.0408,
36.8131


■ 0.0000, 0.0000,
0.0000


■ 108.1974,
112.8100, 52.2403


■ 137.2700,


143.2210, 71.4683


 171.1332,
178.6581, 94.9157


 13.9035, 14.3676,
2.0404


 13.9035, 14.3676,
2.0404


 13.9037, 14.3681,
2.0405

 14.2385, 14.9224,
2.5074

 14.6215, 15.5088,
3.1887

 15.0775, 16.1375,
4.2141

 15.6143, 16.8117,
5.6243

 16.2387, 17.5343,
7.4547

■ 16.9566, 18.3077,
9.7363

■ 17.7735, 19.1342,
12.4974

■ 18.6944, 20.0160,
15.7639

■ 19.7239, 20.9549,
19.5599

Harmonies

Analogous

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



18.3638, 14.3676, 3.0630



13.9035, 14.3676, 2.0404



10.1768, 14.3676, 2.8314

Triad

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



13.9035, 14.3676, 2.0404



7.7033, 14.3676, 29.3553



21.7446, 14.3676, 31.2516

Complementary

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



13.9035, 14.3676, 2.0404



4.3319, 2.3238, 20.9890

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.



17.8495, 14.3676, 46.1638



13.9035, 14.3676, 2.0404



9.8305, 14.3676, 44.7292

Square

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



13.9035, 14.3676, 2.0404



7.0670, 14.3676, 14.9497



13.4114, 14.3676, 52.0482



23.4296, 14.3676, 16.3592

Rectangle

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



13.9035, 14.3676, 2.0404



8.4708, 14.3676, 4.7408



13.4114, 14.3676, 52.0482



20.6156, 14.3676, 36.6642

Sweetspot

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



13.9038, 14.3683, 2.0407



31.7193, 34.1576, 22.0017



9.2623, 4.7508, 1.5245



7.0597, 7.6119, 4.5695



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.9038, 14.3683, 2.0407



24.7905, 25.5140, 3.6181



12.3090, 17.9990, 2.8255



4.5941, 4.8769, 4.6193



13.5593, 14.0150, 1.9905



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.3319, 2.3238, 20.9890



7.6655, 3.9777, 37.5562



4.7095, 1.9702, 20.9008



4.1736, 4.3413, 5.4313



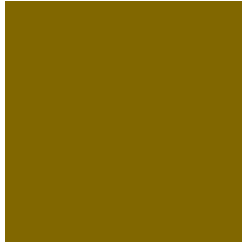
4.2261, 2.2707, 20.4655



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9035, 14.3676, 2.0404 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 13.9035, 14.3676, 2.0404 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 13.9035, 14.3676, 2.0404

Background



This preview shows how black text looks on a background with the XYZ color 13.9035, 14.3676, 2.0404.

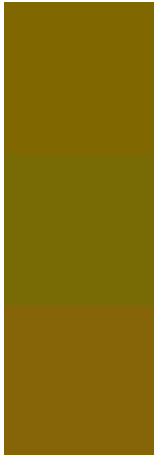


This preview shows how white text looks on a background with the XYZ color 13.9035, 14.3676,

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

13.9035, 14.3676, 2.0404

Protanopia

13.0363, 14.5216, 2.2882

Deuteranopia

14.5345, 14.3954, 2.2710



Tritanopia

16.4626, 14.4133, 14.7463

Trichromacy



Original Color

13.9035, 14.3676, 2.0404

Protanomaly

13.3443, 14.5278, 2.2157

Deuteranomaly

14.3000, 14.4214, 2.2022

Tritanomaly

14.9609, 14.2226, 7.1110

Monochromacy



Original Color

13.9035, 14.3676, 2.0404

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8848, 12.7882, 6.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9035, 14.3676, 2.0404 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(129, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 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(129, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.9035, 14.3676, 2.0404 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(129, 103, 0) }
```


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

```
.border{ border-color:rgb(129, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9035, 14.3676, 2.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 0) }
```

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

```
.background{ background-color: rgb(129,  
103, 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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