

Converting Colors

XYZ(15.8991, 13.4516, 2.4684)

Have a look what the booklet for
XYZ(15.8991, 13.4516, 2.4684)
contains.

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Color

**XYZ(15.9205, 13.4948,
2.4751)**

Conversions

Conversions Part 1

Format	Color
Hex	945915
RGB	148, 89, 21
RGB Percent	58%, 35%, 8%
CMY	0.4196, 0.6510, 0.9176
CMYK	0.00, 0.40, 0.86, 0.42
HSL	32°, 75%, 33%
HSV	32°, 86%, 58%
XYZ	15.9205, 13.4948, 2.4751
YIQ	98.8890, 56.9920, -8.6400

Conversions

Conversions Part 2

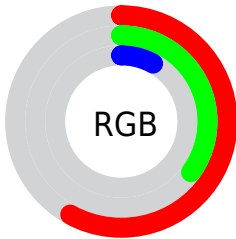
Format	Color
R_{YB}	131, 148, 21
Decimal	9722133
CIE Lab	43.50, 19.16, 45.93
CIE LCh	43, 49.765, 67.361
Yxy	13.4948, 0.4992, 0.4232
Android (android.graphics.Color)	4287912213 (0xFF945915)
YUV	98.8890, -38.3993, 43.0703
Hunter-Lab	36.7353, 13.0724, 21.7199

Details

The XYZ color **15.9205, 13.4948, 2.4751** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.5230, 8.0345, 29.1184**, and the grayscale version is **11.9157, 12.5363, 13.6520**.

A 20% lighter version of the original color is **36.1021, 32.1856, 10.2709**, and **5.2775, 4.0031, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **15.2737, 12.3636, 1.7595**, and if you desaturate by 10%, it is **16.7000, 14.7658, 3.6232**.

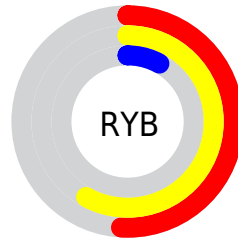
Distribution



Red (58%)

Green (35%)

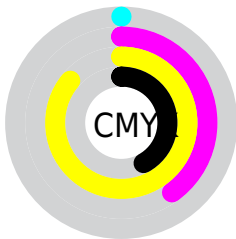
Blue (8%)



Red (51%)

Yellow (58%)

Blue (8%)

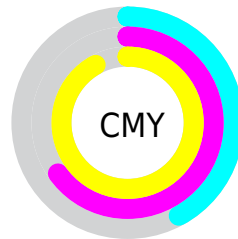


Cyan (0%)

Magenta (40%)

Yellow (86%)

Black (42%)



Cyan (42%)

Magenta (65%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9205, 13.4948, 2.4751 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 15.9205, 13.4948, 2.4751 by changing the saturation by 10% instead.

■ 15.9205, 13.4948,
2.4751

■ 15.9205, 13.4948,
2.4751

222.1518,
214.0649, 129.3656

■ 9.5584, 7.7701,
0.8269

■ 36.0187, 32.1899,
10.3032

■ 5.1672, 3.9482,
0.0000

■ 50.4855, 45.9291,
17.3265

■ 2.3814, 1.6446,
0.0000

■ 68.3846, 63.1087,
26.9808

■ 0.8359, 0.3874,
0.0000

■ 90.0813, 84.1129,
39.6846

■ 0.0000, 0.0000,
0.0000

■ 115.9411,
109.3263, 55.8565

■ 146.3291,

139.1331, 75.9149

181.6109,
173.9179, 100.2784

15.9205, 13.4948,
2.4751

15.9205, 13.4948,
2.4751

15.2737, 12.3636,
1.7595

16.7000, 14.7658,
3.6232

15.0266, 11.9237,
1.5095

17.6274, 16.1832,
5.2808

18.7146, 17.7543,
7.5029

19.9719, 19.4856,
10.3371

21.4085, 21.3826,
13.8258

■ 23.0330, 23.4506,
18.0078

■ 24.8532, 25.6948,
22.9187

■ 26.8764, 28.1200,
28.5915

■ 29.1097, 30.7306,
35.0574

Harmonies

Analogous

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



19.7234, 13.4948, 5.1623



15.9205, 13.4948, 2.4751



11.8934, 13.4948, 2.0529

Triad

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



15.9205, 13.4948, 2.4751



6.7550, 13.4948, 17.6069



17.9118, 13.4948, 39.0856

Complementary

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



15.9205, 13.4948, 2.4751



8.5230, 8.0345, 29.1184

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.



13.8070, 13.4948, 47.7403



15.9205, 13.4948, 2.4751



7.7600, 13.4948, 31.8646

Square

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



15.9205, 13.4948, 2.4751



7.0956, 13.4948, 7.9037



10.1616, 13.4948, 44.5846



21.0255, 13.4948, 24.5574

Rectangle

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



15.9205, 13.4948, 2.4751



9.6918, 13.4948, 2.7092



10.1616, 13.4948, 44.5846



16.5731, 13.4948, 43.0423

Sweetspot

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



15.9208, 13.4955, 2.4753



40.4262, 41.1085, 31.2087



13.9388, 7.4154, 8.3380



9.0172, 9.1177, 6.5730



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9208, 13.4955, 2.4753



26.3403, 20.6917, 2.6056



22.1861, 27.1421, 4.7792



6.0425, 6.2988, 6.1378



12.8627, 10.2397, 1.2985



0.1870, 0.1844, 0.0257

Inverse Universe

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



8.5230, 8.0345, 29.1184



12.9908, 10.8913, 50.8521



6.0202, 2.8842, 28.2562



5.7082, 6.0505, 7.3367



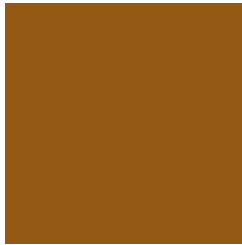
6.3973, 5.4894, 24.6534



0.1073, 0.1252, 0.3114

Previews

White Background



This preview shows how the XYZ color 15.9205, 13.4948, 2.4751 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 15.9205, 13.4948, 2.4751 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 15.9205, 13.4948, 2.4751

Background



This preview shows how black text looks on a background with the XYZ color 15.9205, 13.4948, 2.4751.



This preview shows how white text looks on a background with the XYZ color 15.9205, 13.4948,

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

15.9205, 13.4948, 2.4751

Protanopia

12.3282, 13.6838, 2.9112

Deuteranopia

13.6598, 13.5157, 2.3408



Tritanopia

17.6589, 13.4871, 11.1237

Trichromacy



Original Color

15.9205, 13.4948, 2.4751

Protanomaly

13.5288, 13.5788, 2.7721

Deuteranomaly

14.5099, 13.5433, 2.3797

Tritanomaly

16.7516, 13.3512, 6.5446

Monochromacy



Original Color

15.9205, 13.4948, 2.4751

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5657, 12.4213, 7.6965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9205, 13.4948, 2.4751 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(148, 89, 21)` looks like.

```
.text, #text, p{  
    color:rgb(148, 89, 21)  
}
```

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(148, 89, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 89, 21) }
```

Border

The CSS property to change the border of an element to XYZ 15.9205, 13.4948, 2.4751 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(148, 89, 21) }
```


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

```
.border{ border-color:rgb(148, 89, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 89, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 89, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 89, 21);  
box-shadow:4px 4px 4px 4px rgb(148, 89,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9205, 13.4948, 2.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 89, 21) }
```

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

```
.background{ background-color: rgb(148, 89,  
21) }
```

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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