

Converting Colors

XYZ(15.0318, 13.1578, 4.2336)

Have a look what the booklet for
XYZ(15.0318, 13.1578, 4.2336)
contains.

XYZ(14.9450, 13.0772, 4.2191)	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(14.9450, 13.0772,
4.2191)**

Conversions

Conversions Part 1

Format	Color
Hex	8C5A2D
RGB	140, 90, 45
RGB Percent	55%, 35%, 18%
CMY	0.4510, 0.6470, 0.8235
CMYK	0.00, 0.36, 0.68, 0.45
HSL	28°, 51%, 36%
HSV	28°, 68%, 55%
XYZ	14.9450, 13.0772, 4.2191
YIQ	99.8200, 44.2450, -3.3950

Conversions

Conversions Part 2

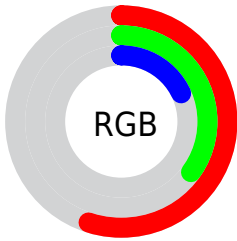
Format	Color
RYB	140, 131, 45
Decimal	9198125
CIELab	42.88, 16.08, 33.84
CIElCh	43, 37.464, 64.582
Yxy	13.0772, 0.4635, 0.4056
Android (android.graphics.Color)	4287388205 (0xFF8C5A2D)
YUV	99.8200, -27.0263, 35.2379
Hunter-Lab	36.1624, 10.4853, 18.3963

Details

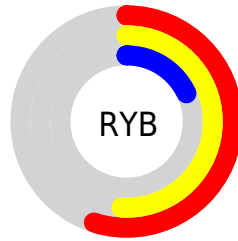
The XYZ color **14.9450, 13.0772, 4.2191** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9078, 10.6352, 26.3414**, and the grayscale version is **12.1263, 12.7578, 13.8932**.

A 20% lighter version of the original color is **34.3798, 31.4168, 14.6080**, and **4.7384, 3.7798, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **14.1280, 11.8053, 2.8305**, and if you desaturate by 10%, it is **15.9137, 14.5094, 6.0997**.

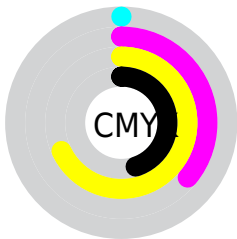
Distribution



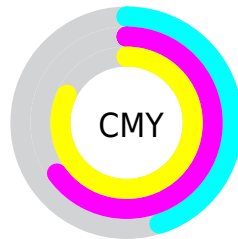
- Red (55%)
- Green (35%)
- Blue (18%)



- Red (55%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (68%)
- Black (45%)



- Cyan (45%)
- Magenta (65%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9450, 13.0772, 4.2191 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 14.9450, 13.0772, 4.2191 by changing the saturation by 10% instead.

■ 14.9450, 13.0772,
4.2191

■ 14.9450, 13.0772,
4.2191

216.4281,
211.4118, 150.6304

■ 8.8669, 7.4817,
1.7463

■ 34.3291, 31.4424,
14.5120

■ 4.7109, 3.7652,
0.3922

■ 48.3658, 44.9809,
23.1692

■ 2.1116, 1.5431,
0.0000

■ 65.7860, 61.9359,
34.7249

■ 0.6955, 0.3188,
0.0000

■ 86.9552, 82.6918,
49.5977

■ 0.0000, 0.0000,
0.0000

■ 112.2386,
107.6329, 68.2061

■ 142.0017,

137.1437, 90.9686

176.6097,
171.6086, 118.3039

■ 14.9450, 13.0772,
4.2191

■ 14.9450, 13.0772,
4.2191

■ 14.1280, 11.8053,
2.8305

■ 15.9137, 14.5094,
6.0997

■ 13.4506, 10.6845,
1.8838

■ 17.0429, 16.1067,
8.5142

■ 12.8927, 9.7042,
1.2798

■ 18.3415, 17.8756,
11.5007

■ 12.7821, 9.5094,
1.1618

■ 19.8177, 19.8221,
15.0938

■ 21.4789, 21.9516,
19.3250

■ 23.3320, 24.2691,
24.2239

■ 25.3836, 26.7796,
29.8181

■ 27.6401, 29.4879,
36.1337

■ 30.1073, 32.3985,
43.1953

Harmonies

Analogous

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



17.5345, 13.0772, 7.0346



14.9450, 13.0772, 4.2191



11.9949, 13.0772, 3.5966

Triad

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



14.9450, 13.0772, 4.2191



7.7104, 13.0772, 15.5356



15.8228, 13.0772, 31.5610

Complementary

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



14.9450, 13.0772, 4.2191



9.9078, 10.6352, 26.3414

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.



12.8744, 13.0772, 36.4425



14.9450, 13.0772, 4.2191



8.4260, 13.0772, 25.1915

Square

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



14.9450, 13.0772, 4.2191



8.0912, 13.0772, 8.4876



10.2134, 13.0772, 33.7506



18.0935, 13.0772, 22.1337

Rectangle

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



14.9450, 13.0772, 4.2191



10.2774, 13.0772, 4.1760



10.2134, 13.0772, 33.7506



14.8628, 13.0772, 33.9238

Sweetspot

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



14.9453, 13.0779, 4.2193



37.0855, 37.7075, 32.0471



13.8496, 8.2907, 11.8564



8.3756, 8.4717, 6.9498



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.9453, 13.0779, 4.2193



24.2996, 19.8222, 4.0891



20.2107, 23.6087, 5.9745



5.2155, 5.4138, 5.3225



11.3771, 8.4886, 1.0388



0.0901, 0.0854, 0.0117

Inverse Universe

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



9.9078, 10.6352, 26.3414



14.7664, 15.1808, 45.8949



6.8797, 4.5790, 25.3320



4.9782, 5.2993, 6.3663



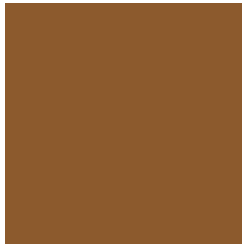
6.3828, 6.0359, 22.8743



0.0571, 0.0694, 0.1568

Previews

White Background



This preview shows how the XYZ color 14.9450, 13.0772, 4.2191 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 14.9450, 13.0772, 4.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

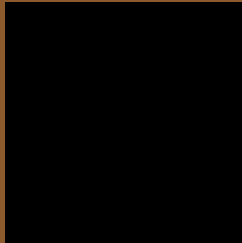
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9450, 13.0772, 4.2191

Background



This preview shows how black text looks on a background with the XYZ color 14.9450, 13.0772, 4.2191.



This preview shows how white text looks on a background with the XYZ color 14.9450, 13.0772,

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

14.9450, 13.0772, 4.2191

Protanopia

12.1158, 13.2352, 4.8218

Deuteranopia

13.3149, 13.1594, 4.1238



Tritanopia

16.4645, 13.0920, 11.5568

Trichromacy



Original Color

14.9450, 13.0772, 4.2191

Protanomaly

13.0696, 13.1597, 4.6475

Deuteranomaly

13.8174, 13.0126, 4.1663

Tritanomaly

15.7996, 13.0616, 8.1670

Monochromacy



Original Color

14.9450, 13.0772, 4.2191

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7011, 12.5898, 9.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9450, 13.0772, 4.2191 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(140, 90, 45)` looks like.

```
.text, #text, p{  
    color:rgb(140, 90, 45)  
}
```

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(140, 90, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 90, 45) }
```

Border

The CSS property to change the border of an element to XYZ 14.9450, 13.0772, 4.2191 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(140, 90, 45) }
```


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

```
.border{ border-color:rgb(140, 90, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 90, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 90, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 90, 45);  
box-shadow:4px 4px 4px 4px rgb(140, 90,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9450, 13.0772, 4.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 90, 45) }
```

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

```
.background{ background-color: rgb(140, 90,  
45) }
```

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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