

Converting Colors

XYZ(14.8899, 12.6788, 3.0281)

Have a look what the booklet for
XYZ(14.8899, 12.6788, 3.0281)
contains.

XYZ(14.8242, 12.6715, 3.0310)	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(14.8242, 12.6715,
3.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	8E5720
RGB	142, 87, 32
RGB Percent	56%, 34%, 13%
CMY	0.4431, 0.6588, 0.8745
CMYK	0.00, 0.39, 0.77, 0.44
HSL	30°, 63%, 34%
HSV	30°, 77%, 56%
XYZ	14.8242, 12.6715, 3.0310
YIQ	97.1750, 50.4350, -5.4450

Conversions

Conversions Part 2

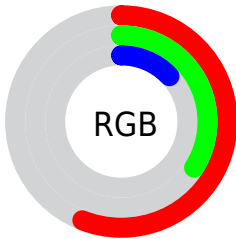
Format	Color
R_{YB}	142, 142, 32
Decimal	9328416
CIE _{Lab}	42.26, 18.00, 39.84
CIE _{LCh}	42, 43.720, 65.683
Yxy	12.6715, 0.4856, 0.4151
Android (android.graphics.Color)	4287518496 (0xFF8E5720)
YUV	97.1750, -32.1313, 39.3115
Hunter-Lab	35.5971, 12.0405, 19.8695

Details

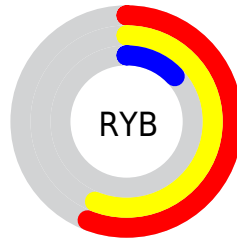
The XYZ color **14.8242, 12.6715, 3.0310** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.8860, 9.0758, 26.8743**, and the grayscale version is **11.4736, 12.0712, 13.1455**.

A 20% lighter version of the original color is **34.2130, 30.7499, 11.7215**, and **4.7234, 3.6121, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **14.1245, 11.5172, 2.0424**, and if you desaturate by 10%, it is **15.6643, 13.9735, 4.4772**.

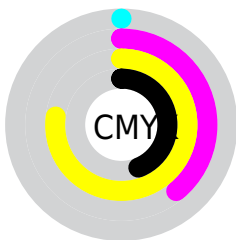
Distribution



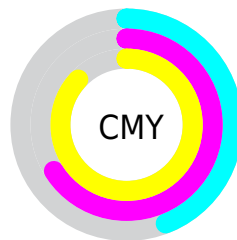
- Red (56%)
- Green (34%)
- Blue (13%)



- Red (56%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (39%)
- Yellow (77%)
- Black (44%)





- Cyan (44%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8242, 12.6715, 3.0310 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 14.8242, 12.6715, 3.0310 by changing the saturation by 10% instead.


 14.8242, 12.6715,
3.0310


 14.8242, 12.6715,
3.0310


215.7092,
208.8015, 136.7545


 8.7816, 7.2027,
1.1105


 34.1187, 30.7123,
11.7048


 4.6550, 3.5892,
0.0000

 48.1013, 44.0532,
19.2952

 2.0789, 1.4465,
0.0000

 65.4612, 60.7869,
29.6127

 0.6777, 0.2506,
0.0000

 86.5639, 81.2978,
43.0757

 0.0000, 0.0000,
0.0000

 111.7747,
105.9703, 60.1029

 141.4590,

135.1888, 81.1127

175.9820,
169.3378, 106.5237

14.8242, 12.6715,
3.0310

14.8242, 12.6715,
3.0310

14.1245, 11.5172,
2.0424

15.6643, 13.9735,
4.4772

13.5447, 10.4982,
1.4159

16.6549, 15.4281,
6.4309

13.4088, 10.2579,
1.2732

17.8061, 17.0424,
8.9363

19.1267, 18.8220,
12.0324

20.6247, 20.7726,
15.7547

■ 22.3076, 22.8991,
20.1358

■ 24.1823, 25.2065,
25.2062

■ 26.2554, 27.6995,
30.9943

■ 28.5333, 30.3826,
37.5269

Harmonies

Analogous

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



17.9096, 12.6715, 5.7312



14.8242, 12.6715, 3.0310



11.4317, 12.6715, 2.5139

Triad

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



14.8242, 12.6715, 3.0310



6.8064, 12.6715, 15.6589



16.0981, 12.6715, 34.2117

Complementary

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



14.8242, 12.6715, 3.0310



8.8860, 9.0758, 26.8743

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.



12.6775, 12.6715, 40.6071



14.8242, 12.6715, 3.0310



7.6231, 12.6715, 27.1981

Square

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



14.8242, 12.6715, 3.0310



7.1731, 12.6715, 7.6290



9.6349, 12.6715, 37.5848



18.7334, 12.6715, 22.6241

Rectangle

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



14.8242, 12.6715, 3.0310



9.5183, 12.6715, 3.0975



9.6349, 12.6715, 37.5848



14.9808, 12.6715, 37.2320

Sweetspot

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



14.8245, 12.6722, 3.0312



37.5133, 38.0880, 30.7192



13.3920, 7.4719, 9.7533



8.1722, 8.2441, 6.3297



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.



14.8245, 12.6722, 3.0312



24.1327, 18.9487, 2.7613



21.0888, 25.2007, 5.1193



5.6177, 5.8416, 5.7208



12.0577, 9.2470, 1.1493



0.1373, 0.1324, 0.0183

Inverse Universe

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



8.8860, 9.0758, 26.8743



13.1619, 12.3048, 46.8092



5.9947, 3.2932, 25.9105



5.3384, 5.6725, 6.8423



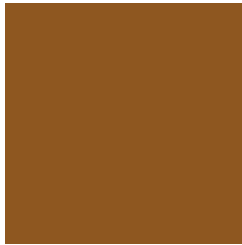
6.4249, 5.8359, 23.7649



0.0834, 0.0998, 0.2345

Previews

White Background



This preview shows how the XYZ color 14.8242, 12.6715, 3.0310 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 14.8242, 12.6715, 3.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

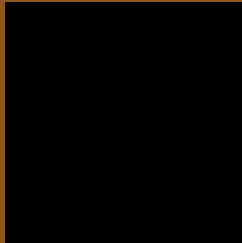
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8242, 12.6715, 3.0310

Background



This preview shows how black text looks on a background with the XYZ color 14.8242, 12.6715, 3.0310.



This preview shows how white text looks on a background with the XYZ color 14.8242, 12.6715,

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

14.8242, 12.6715, 3.0310

Protanopia

11.5577, 12.6865, 3.5086

Deuteranopia

12.9182, 12.7087, 2.9346



Tritanopia

16.3398, 12.5927, 10.5863

Trichromacy



Original Color

14.8242, 12.6715, 3.0310

Protanomaly

12.5640, 12.5167, 3.3439

Deuteranomaly

13.5772, 12.6536, 2.9551

Tritanomaly

15.6080, 12.5211, 6.9044

Monochromacy



Original Color

14.8242, 12.6715, 3.0310

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9270, 11.8205, 7.9563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8242, 12.6715, 3.0310 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(142, 87, 32)` looks like.

```
.text, #text, p{  
    color:rgb(142, 87, 32)  
}
```

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(142, 87, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 87, 32) }
```

Border

The CSS property to change the border of an element to XYZ 14.8242, 12.6715, 3.0310 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(142, 87, 32) }
```


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

```
.border{ border-color:rgb(142, 87, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 87, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 87, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 87, 32);  
box-shadow:4px 4px 4px 4px rgb(142, 87,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8242, 12.6715, 3.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 87, 32) }
```

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

```
.background{ background-color: rgb(142, 87,  
32) }
```

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