

Converting Colors

XYZ(13.1542, 8.2413, 2.5876)

Have a look what the booklet for
XYZ(13.1542, 8.2413, 2.5876)
contains.

XYZ(13.1890, 8.2714, 2.5705)	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(13.1890, 8.2714,
2.5705)**

Conversions

Conversions Part 1

Format	Color
Hex	922F24
RGB	146, 47, 36
RGB Percent	57%, 18%, 14%
CMY	0.4275, 0.8157, 0.8588
CMYK	0.00, 0.68, 0.75, 0.43
HSL	6°, 60%, 36%
HSV	6°, 75%, 57%
XYZ	13.1890, 8.2714, 2.5705
YIQ	75.3470, 62.5350, 17.5670

Conversions

Conversions Part 2

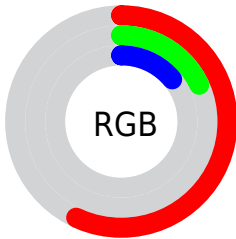
Format	Color
R_{YB}	146, 48, 36
Decimal	9580324
CIE _{Lab}	34.54, 41.01, 29.77
CIE _{LCh}	35, 50.670, 35.977
Yxy	8.2714, 0.5488, 0.3442
Android (android.graphics.Color)	4287770404 (0xFF922F24)
YUV	75.3470, -19.3981, 61.9627
Hunter-Lab	28.7600, 31.5278, 14.8328

Details

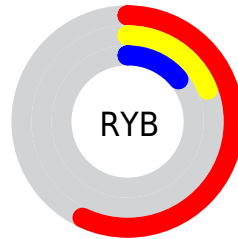
The XYZ color **13.1890, 8.2714, 2.5705** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.5790, 19.7766, 30.2428**, and the grayscale version is **6.7771, 7.1300, 7.7646**.

A 20% lighter version of the original color is **31.4006, 22.6396, 10.4995**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.5613, 7.3031, 1.4767**, and if you desaturate by 10%, it is **14.0662, 9.5935, 4.1964**.

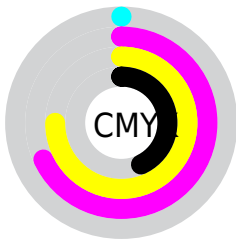
Distribution



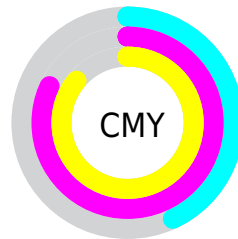
- Red (57%)
- Green (18%)
- Blue (14%)



- Red (57%)
- Yellow (19%)
- Blue (14%)



- Cyan (0%)
- Magenta (68%)
- Yellow (75%)
- Black (43%)



- Cyan (43%)
- Magenta (82%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1890, 8.2714, 2.5705 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 13.1890, 8.2714, 2.5705 by changing the saturation by 10% instead.

■ 13.1890, 8.2714,
2.5705

■ 13.1890, 8.2714,
2.5705

205.7386,
177.8455, 130.6869

■ 7.6367, 4.2691,
0.8772

■ 31.2413, 22.4888,
10.5488

■ 3.9132, 1.8252,
0.0000

■ 44.4721, 33.4727,
17.6735

■ 1.6532, 0.5028,
0.0000

■ 60.9931, 47.5526,
27.4466

■ 0.4267, 0.0000,
0.0000

■ 81.1697, 65.1128,
40.2866

■ 0.0000, 0.0000,
0.0000

■ 105.3671, 86.5378,
56.6121

■ 133.9509,

112.2120, 76.8416

167.2863,
142.5198, 101.3937

13.1890, 8.2714,
2.5705

13.1890, 8.2714,
2.5705

12.5613, 7.3031,
1.4767

14.0662, 9.5935,
4.1964

12.1544, 6.6522,
0.8387

15.2152, 11.2975,
6.4103

12.0193, 6.4416,
0.6099

16.6563, 13.4107,
9.2615

18.4078, 15.9571,
12.7940

20.4863, 18.9591,
17.0479

■ 22.9075, 22.4373,
22.0601

■ 25.6858, 26.4114,
27.8651

■ 28.8350, 30.8997,
34.4952

■ 32.3680, 35.9197,
41.9808

Harmonies

Analogous

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



14.6770, 8.2714, 7.4672



13.1890, 8.2714, 2.5705



10.3131, 8.2714, 0.9280

Triad

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



13.1890, 8.2714, 2.5705



3.8403, 8.2714, 4.0049



8.4469, 8.2714, 35.4094

Complementary

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



13.1890, 8.2714, 2.5705



14.5790, 19.7766, 30.2428

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.



5.8333, 8.2714, 32.3265



13.1890, 8.2714, 2.5705



3.5706, 8.2714, 10.7432

Square

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



13.1890, 8.2714, 2.5705



5.0594, 8.2714, 1.3366



4.2056, 8.2714, 21.7472



11.5447, 8.2714, 28.6409

Rectangle

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



13.1890, 8.2714, 2.5705



8.2529, 8.2714, 0.6299



4.2056, 8.2714, 21.7472



7.4831, 8.2714, 35.5259

Sweetspot

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



13.1892, 8.2719, 2.5706



36.8951, 34.5325, 31.6300



16.8580, 9.1220, 23.7937



7.9197, 7.2674, 6.4433



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.1892, 8.2719, 2.5706



21.6551, 12.0805, 1.8007



16.9238, 15.7411, 3.8155



5.8447, 5.9033, 6.0719



10.5857, 5.6858, 0.5395



0.1388, 0.0880, 0.0097

Inverse Universe

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



14.5790, 19.7766, 30.2428



24.1158, 33.1923, 53.1093



8.7845, 8.1878, 28.3113



5.9151, 6.4641, 7.4057



11.7637, 16.2222, 26.4422



0.1555, 0.2216, 0.3275

Previews

White Background



This preview shows how the XYZ color 13.1890, 8.2714, 2.5705 looks on a white background.

Color Contrast Check

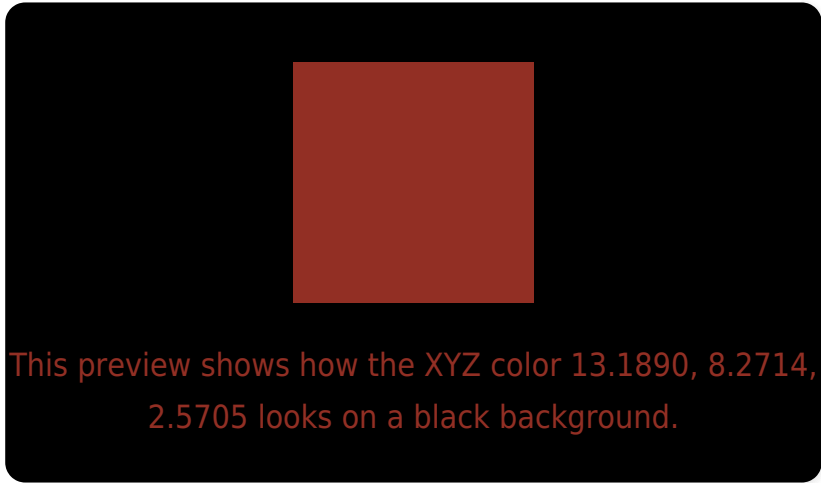
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

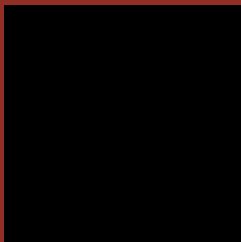
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1890, 8.2714, 2.5705

Background



This preview shows how black text looks on a background with the XYZ color 13.1890, 8.2714, 2.5705.

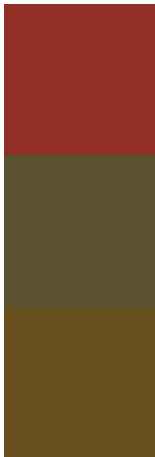


This preview shows how white text looks on a background with the XYZ color 13.1890, 8.2714,

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

13.1890, 8.2714, 2.5705

Protanopia

7.7468, 8.4135, 3.9050

Deuteranopia

8.5397, 8.4211, 2.3377



Tritanopia

13.3259, 8.2012, 3.6769

Trichromacy



Original Color

13.1890, 8.2714, 2.5705

Protanomaly

8.9946, 7.7457, 3.3065

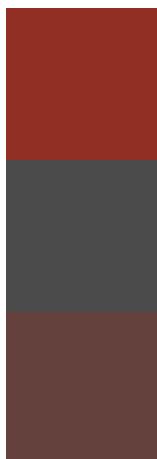
Deuteranomaly

9.8756, 8.0405, 2.3980

Tritanomaly

13.2857, 8.2468, 3.2744

Monochromacy



Original Color

13.1890, 8.2714, 2.5705

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.0994, 6.8842, 5.3168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1890, 8.2714, 2.5705 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(146, 47, 36)` looks like.

```
.text, #text, p{  
    color:rgb(146, 47, 36)  
}
```

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(146, 47, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 47, 36) }
```

Border

The CSS property to change the border of an element to XYZ 13.1890, 8.2714, 2.5705 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(146, 47, 36) }
```


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

```
.border{ border-color:rgb(146, 47, 36) }
```

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

Here you see how a box with a 4 pixel rgb(146, 47, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 47, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 47, 36);  
box-shadow:4px 4px 4px 4px rgb(146, 47,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1890, 8.2714, 2.5705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 47, 36) }
```

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

```
.background{ background-color: rgb(146, 47,  
36) }
```

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