

Converting Colors

XYZ(13.3916, 7.5938, 2.4570)

Have a look what the booklet for
XYZ(13.3916, 7.5938, 2.4570)
contains.

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Color

**XYZ(13.3861, 7.5914,
2.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	961F24
RGB	150, 31, 36
RGB Percent	59%, 12%, 14%
CMY	0.4118, 0.8784, 0.8588
CMYK	0.00, 0.79, 0.76, 0.41
HSL	357°, 66%, 35%
HSV	357°, 79%, 59%
XYZ	13.3861, 7.5914, 2.4288
YIQ	67.1510, 69.3190, 26.7830

Conversions

Conversions Part 2

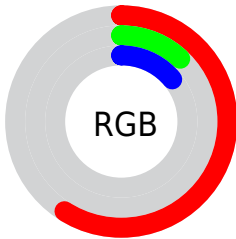
Format	Color
RYB	150, 31, 36
Decimal	9838372
CIELab	33.12, 48.43, 28.38
CIElCh	33, 56.135, 30.375
Yxy	7.5914, 0.5719, 0.3243
Android (android.graphics.Color)	4288028452 (0xFF961F24)
YUV	67.1510, -15.3574, 72.6586
Hunter-Lab	27.5525, 38.5055, 14.0602

Details

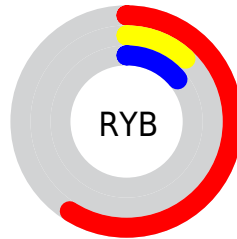
The XYZ color **13.3861, 7.5914, 2.4288** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.5832, 24.1486, 30.5791**, and the grayscale version is **5.3755, 5.6555, 6.1588**.

A 20% lighter version of the original color is **31.4717, 21.1121, 10.2009**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **12.9043, 6.9114, 1.3943**, and if you desaturate by 10%, it is **14.1387, 8.6723, 3.9885**.

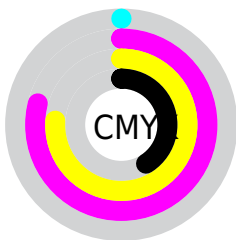
Distribution



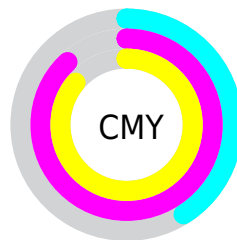
- Red (59%)
- Green (12%)
- Blue (14%)



- Red (59%)
- Yellow (12%)
- Blue (14%)



- Cyan (0%)
- Magenta (79%)
- Yellow (76%)
- Black (41%)





- Cyan (41%)
- Magenta (88%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3861, 7.5914, 2.4288 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 13.3861, 7.5914, 2.4288 by changing the saturation by 10% instead.


 13.3861, 7.5914,
2.4288


 13.3861, 7.5914,
2.4288


206.9655,
172.4911, 128.7153


 7.7738, 3.8346,
0.8021


 31.5912, 21.1534,
10.1831


 4.0011, 1.5815,
0.0000

 44.9146, 31.7275,
17.1566


 1.7028, 0.3451,
0.0000

 61.5391, 45.3428,
26.7524

 0.4580, 0.0000,
0.0000


 81.8301, 62.3836,
39.3891


 0.0000, 0.0000,
0.0000


 106.1529, 83.2345,
55.4852


 134.8728,


108.2798, 75.4593

 168.3552,
137.9039, 99.7298


 13.3861, 7.5914,
2.4288


 13.3861, 7.5914,
2.4288


 12.9043, 6.9114,
1.3943


 14.1387, 8.6723,
3.9885

 12.6283, 6.5218,
0.8017

 15.1935, 10.2012,
6.1302

 12.6120, 6.4978,
0.7701

 16.5781, 12.2204,
8.9037

 18.3168, 14.7668,
12.3535

 20.4317, 17.8737,
16.5199

■ 22.9430, 21.5719,
21.4403

■ 25.8696, 25.8896,
27.1492

■ 29.2290, 30.8536,
33.6791

■ 33.0379, 36.4889,
41.0607

Harmonies

Analogous

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



14.6109, 7.5914, 8.1587



13.3861, 7.5914, 2.4288



10.4407, 7.5914, 0.5804

Triad

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



13.3861, 7.5914, 2.4288



3.2878, 7.5914, 2.5120



7.2530, 7.5914, 38.0054

Complementary

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



13.3861, 7.5914, 2.4288



16.5832, 24.1486, 30.5791

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.



4.7339, 7.5914, 32.3690



13.3861, 7.5914, 2.4288



2.8633, 7.5914, 8.3737

Square

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



13.3861, 7.5914, 2.4288



4.6849, 7.5914, 0.6061



3.3101, 7.5914, 19.6745



10.5240, 7.5914, 32.1027

Rectangle

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



13.3861, 7.5914, 2.4288



8.2182, 7.5914, 0.1226



3.3101, 7.5914, 19.6745



6.2977, 7.5914, 37.3701

Sweetspot

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



13.3863, 7.5919, 2.4289



38.1193, 34.5776, 33.1987



17.5056, 9.1163, 29.6909



8.1397, 7.2094, 6.7532



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.



13.3863, 7.5919, 2.4289



22.4064, 11.6950, 1.6237



16.0386, 13.0102, 2.9629



5.8101, 5.8191, 6.1060



10.4633, 5.3904, 0.6548



0.1300, 0.0668, 0.0183

Inverse Universe

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



13.3863, 7.5919, 2.4289



22.4064, 11.6950, 1.6237



10.2948, 10.9423, 30.4234



5.8101, 5.8191, 6.1060



10.4633, 5.3904, 0.6548



0.1300, 0.0668, 0.0183

Previews

White Background



This preview shows how the XYZ color 13.3861, 7.5914, 2.4288 looks on a white background.

Color Contrast Check

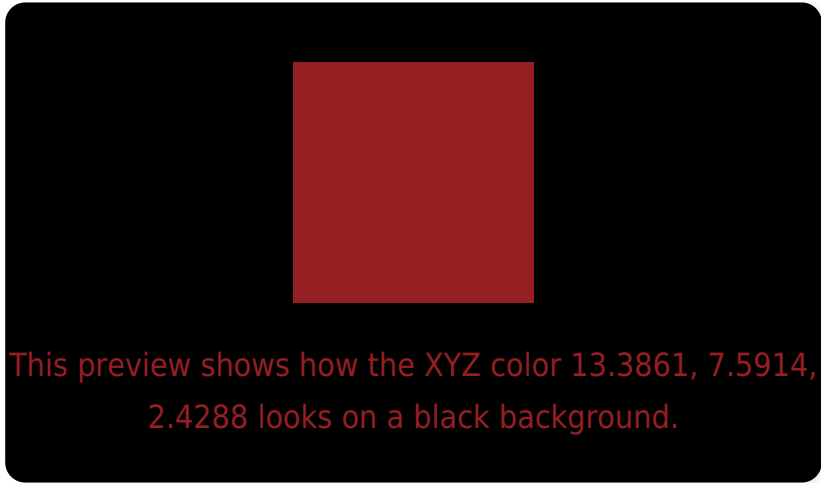
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3861, 7.5914, 2.4288

Background



This preview shows how black text looks on a background with the XYZ color 13.3861, 7.5914, 2.4288.

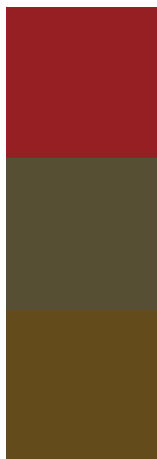


This preview shows how white text looks on a background with the XYZ color 13.3861, 7.5914,

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

13.3861, 7.5914, 2.4288

Protanopia

7.2313, 7.8094, 4.2582

Deuteranopia

7.8713, 7.7686, 2.1832



Tritanopia

13.3549, 7.6213, 2.1337

Trichromacy



Original Color

13.3861, 7.5914, 2.4288

Protanomaly

8.5224, 6.8937, 3.4662

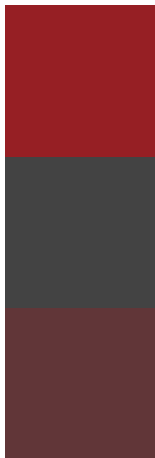
Deuteranomaly

9.2825, 7.0784, 2.1734

Tritanomaly

13.3687, 7.6269, 2.2064

Monochromacy



Original Color

13.3861, 7.5914, 2.4288

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.9627, 5.4652, 4.4293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3861, 7.5914, 2.4288 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(150, 31, 36)` looks like.

```
.text, #text, p{  
  color:rgb(150, 31, 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(150, 31, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 31, 36) }
```

Border

The CSS property to change the border of an element to XYZ 13.3861, 7.5914, 2.4288 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(150, 31, 36) }
```


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

```
.border{ border-color:rgb(150, 31, 36) }
```

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

Here you see how a box with a 4 pixel rgb(150, 31, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 31, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 31, 36);  
box-shadow:4px 4px 4px 4px rgb(150, 31,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3861, 7.5914, 2.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 31, 36) }
```

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

```
.background{ background-color: rgb(150, 31,  
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](#).

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