

Converting Colors

XYZ(17.2504, 12.4038, 4.1436)

Have a look what the booklet for
XYZ(17.2504, 12.4038, 4.1436)
contains.

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Color

**XYZ(17.1937, 12.3413,
4.1652)**

Conversions

Conversions Part 1

Format	Color
Hex	9F492F
RGB	159, 73, 47
RGB Percent	62%, 29%, 18%
CMY	0.3765, 0.7137, 0.8157
CMYK	0.00, 0.54, 0.70, 0.38
HSL	14°, 54%, 40%
HSV	14°, 70%, 62%
XYZ	17.1937, 12.3413, 4.1652
YIQ	95.7500, 59.6020, 10.1460

Conversions

Conversions Part 2

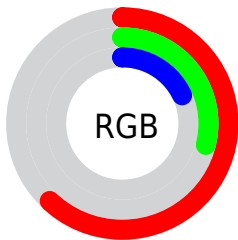
Format	Color
R_{YB}	159, 81, 47
Decimal	10438959
CIE _{Lab}	41.75, 33.84, 32.19
CIE _{LCh}	42, 46.703, 43.564
Yxy	12.3413, 0.5102, 0.3662
Android (android.graphics.Color)	4288629039 (0xFF9F492F)
YUV	95.7500, -24.0338, 55.4703
Hunter-Lab	35.1302, 25.8851, 17.5614

Details

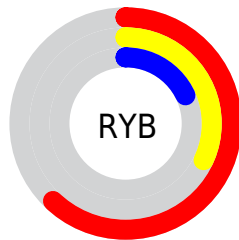
The XYZ color **17.1937, 12.3413, 4.1652** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.8170, 19.8810, 35.8044**, and the grayscale version is **11.1043, 11.6826, 12.7224**.

A 20% lighter version of the original color is **38.1415, 30.1289, 14.3949**, and **5.8061, 3.4780, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **16.2046, 10.7863, 2.5312**, and if you desaturate by 10%, it is **18.4578, 14.2594, 6.4676**.

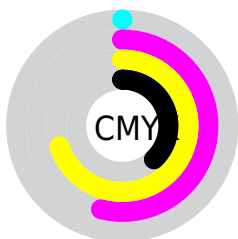
Distribution



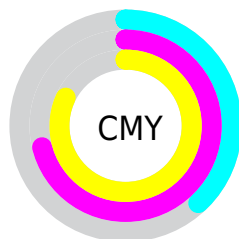
- Red (62%)
- Green (29%)
- Blue (18%)



- Red (62%)
- Yellow (32%)
- Blue (18%)



- Cyan (0%)
- Magenta (54%)
- Yellow (70%)
- Black (38%)





- Cyan (38%)
- Magenta (71%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1937, 12.3413, 4.1652 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 17.1937, 12.3413, 4.1652 by changing the saturation by 10% instead.

 17.1937, 12.3413,
4.1652


 17.1937, 12.3413,
4.1652


229.4207,
206.6519, 150.0442


 10.4689, 6.9766,
1.7164


 38.1995, 30.1152,
14.3890


 5.7755, 3.4474,
0.3719

 53.2111, 43.2932,
23.0011

 2.7484, 1.3696,
0.0000

 71.7157, 59.8443,
34.5047

 1.0222, 0.1941,
0.0000

 94.0786, 80.1531,
49.3183

 0.0000, 0.0000,
0.0000

 120.6652,
104.6038, 67.8606

 151.8409,

133.5809, 90.5499

187.9709,
167.4688, 117.8050

■ 17.1937, 12.3413,
4.1652

■ 17.1937, 12.3413,
4.1652

■ 16.2046, 10.7863,
2.5312

■ 18.4578, 14.2594,
6.4676

■ 15.4668, 9.5684,
1.4912

■ 20.0158, 16.5601,
9.5006

■ 14.9570, 8.6889,
0.8888

■ 21.8860, 19.2639,
13.3200

■ 24.0849, 22.3892,
17.9760

■ 26.6277, 25.9532,
23.5144

■ 29.5287, 29.9722,
29.9779

■ 32.8013, 34.4617,
37.4064

■ 36.4582, 39.4362,
45.8372

■ 40.5116, 44.9099,
55.3059

Harmonies

Analogous

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



19.3895, 12.3413, 9.4731



17.1937, 12.3413, 4.1652



13.6990, 12.3413, 2.2374

Triad

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



17.1937, 12.3413, 4.1652



6.4689, 12.3413, 8.7663



13.3475, 12.3413, 41.4719

Complementary

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



17.1937, 12.3413, 4.1652



15.8170, 19.8810, 35.8044

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.



9.9594, 12.3413, 40.9541



17.1937, 12.3413, 4.1652



6.4115, 12.3413, 18.3776

Square

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



17.1937, 12.3413, 4.1652



7.7431, 12.3413, 3.8657



7.5670, 12.3413, 31.1337



16.8935, 12.3413, 32.3220

Rectangle

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



17.1937, 12.3413, 4.1652



11.3244, 12.3413, 2.0219



7.5670, 12.3413, 31.1337



12.1452, 12.3413, 42.5210

Sweetspot

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



17.1940, 12.3420, 4.1654



47.2239, 45.8328, 41.0900



19.6689, 11.1457, 23.9379



10.3708, 9.9477, 8.6590



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.1940, 12.3420, 4.1654



28.1548, 17.9017, 3.2666



22.4349, 22.8237, 5.9124



6.7519, 6.8837, 6.9585



11.8413, 6.9183, 0.7113



0.2405, 0.1812, 0.0223

Inverse Universe

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



15.8170, 19.8810, 35.8044



25.3692, 31.9682, 63.5768



10.2071, 8.6611, 33.9344



6.6912, 7.2481, 8.4530



10.4803, 13.0521, 27.8742



0.2168, 0.2922, 0.5082

Previews

White Background



This preview shows how the XYZ color 17.1937, 12.3413, 4.1652 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 17.1937, 12.3413, 4.1652 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 17.1937, 12.3413, 4.1652

Background



This preview shows how black text looks on a background with the XYZ color 17.1937, 12.3413, 4.1652.



This preview shows how white text looks on a background with the XYZ color 17.1937, 12.3413,

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

17.1937, 12.3413, 4.1652

Protanopia

11.4823, 12.4604, 5.5413

Deuteranopia

12.5890, 12.3835, 3.9172



Tritanopia

17.9234, 12.3483, 7.9174

Trichromacy



Original Color

17.1937, 12.3413, 4.1652

Protanomaly

13.0512, 12.0814, 5.0122

Deuteranomaly

13.9358, 12.0717, 3.9784

Tritanomaly

17.6759, 12.3502, 6.3027

Monochromacy



Original Color

17.1937, 12.3413, 4.1652

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.4726, 11.4514, 8.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1937, 12.3413, 4.1652 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(159, 73, 47)` looks like.

```
.text, #text, p{  
    color:rgb(159, 73, 47)  
}
```

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(159, 73, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 73, 47) }
```

Border

The CSS property to change the border of an element to XYZ 17.1937, 12.3413, 4.1652 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(159, 73, 47) }
```


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

```
.border{ border-color:rgb(159, 73, 47) }
```

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

Here you see how a box with a 4 pixel rgb(159, 73, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 73, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 73, 47);  
box-shadow:4px 4px 4px 4px rgb(159, 73,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1937, 12.3413, 4.1652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 73, 47) }
```

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

```
.background{ background-color: rgb(159, 73,  
47) }
```

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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