

Converting Colors

XYZ(15.1416, 10.0881, 5.4007)

Have a look what the booklet for
XYZ(15.1416, 10.0881, 5.4007)
contains.

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Color

**XYZ(15.1940, 10.1373,
5.4308)**

Conversions

Conversions Part 1

Format	Color
Hex	973C3C
RGB	151, 60, 60
RGB Percent	59%, 24%, 24%
CMY	0.4078, 0.7647, 0.7647
CMYK	0.00, 0.60, 0.60, 0.41
HSL	0°, 43%, 41%
HSV	0°, 60%, 59%
XYZ	15.1940, 10.1373, 5.4308
YIQ	87.2090, 54.2360, 19.2920

Conversions

Conversions Part 2

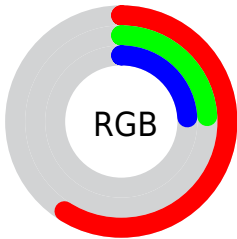
Format	Color
R_{YB}	151, 60, 60
Decimal	9911356
CIE Lab	38.09, 38.22, 19.63
CIE LCh	38, 42.972, 27.188
Yxy	10.1373, 0.4939, 0.3295
Android (android.graphics.Color)	4288101436 (0xFF973C3C)
YUV	87.2090, -13.4140, 55.9447
Hunter-Lab	31.8391, 29.4638, 12.1743

Details

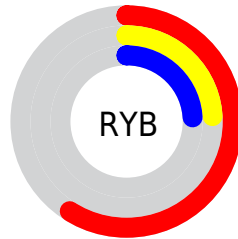
The XYZ color **15.1940, 10.1373, 5.4308** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.5151, 25.3264, 33.1907**, and the grayscale version is **9.1244, 9.5996, 10.4539**.

A 20% lighter version of the original color is **34.6328, 25.9857, 17.1003**, and **4.8719, 2.5634, 0.8103** is the 20% darker color. If you saturate the color by 10%, you get **14.1690, 8.6376, 3.3930**, and if you desaturate by 10%, it is **16.5591, 12.1350, 8.1441**.

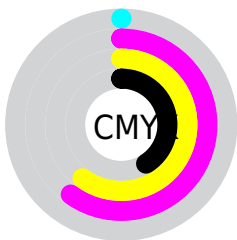
Distribution



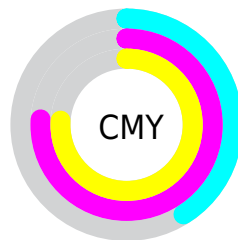
- Red (59%)
- Green (24%)
- Blue (24%)



- Red (59%)
- Yellow (24%)
- Blue (24%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (41%)





- Cyan (41%)
- Magenta (76%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1940, 10.1373, 5.4308 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 15.1940, 10.1373, 5.4308 by changing the saturation by 10% instead.


 15.1940, 10.1373,
5.4308


 15.1940, 10.1373,
5.4308


217.9026,
191.6492, 163.0035


 9.0429, 5.4901,
2.4391


 34.7620, 26.0534,
17.1943


 4.8265, 2.5376,
0.8076


 48.9096, 38.0911,
26.8032


 2.1795, 0.8954,
0.0000

 66.4534, 53.3611,
39.4548

 0.7319, 0.0000,
0.0000

 87.7587, 72.2478,
55.5677

 0.0000, 0.0000,
0.0000

 113.1910, 95.1356,
75.5605

 143.1154,

122.4088, 99.8517

177.8976,
154.4519, 128.8599

■ 15.1940, 10.1373,
5.4308

■ 15.1940, 10.1373,
5.4308

■ 14.1690, 8.6376,
3.3930

■ 16.5591, 12.1350,
8.1441

■ 13.4537, 7.5909,
1.9711

■ 18.2899, 14.6677,
11.5848

■ 13.0133, 6.9464,
1.0957

■ 20.4102, 17.7704,
15.7999

■ 12.7626, 6.5795,
0.5973

■ 22.9419, 21.4749,
20.8328

■ 25.9050, 25.8108,
26.7234

■ 29.3183, 30.8054,
33.5090

■ 33.1995, 36.4847,
41.2248

■ 37.5653, 42.8731,
49.9040

■ 42.4317, 49.9938,
59.5783

Harmonies

Analogous

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



15.9966, 10.1373, 11.8035



15.1940, 10.1373, 5.4308



12.8203, 10.1373, 2.5390

Triad

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



15.1940, 10.1373, 5.4308



5.8152, 10.1373, 4.6621



9.3761, 10.1373, 34.3689

Complementary

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



15.1940, 10.1373, 5.4308



18.5151, 25.3264, 33.1907

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.



7.0268, 10.1373, 29.4699



15.1940, 10.1373, 5.4308



5.2332, 10.1373, 10.3059

Square

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



15.1940, 10.1373, 5.4308



7.4001, 10.1373, 2.2682



5.6305, 10.1373, 19.5806



12.2804, 10.1373, 30.9344

Rectangle

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



15.1940, 10.1373, 5.4308



10.8657, 10.1373, 1.8431



5.6305, 10.1373, 19.5806



8.5013, 10.1373, 33.6037

Sweetspot

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



15.1942, 10.1379, 5.4310



42.0362, 39.8491, 39.1976



19.9642, 12.0454, 30.5509



9.2488, 8.6102, 8.3018



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.1942, 10.1379, 5.4310



24.9107, 14.7895, 5.1534



18.6807, 17.1109, 6.5931



6.2088, 6.2227, 6.4797



10.8575, 5.5974, 0.5081



0.1623, 0.0837, 0.0076

Inverse Universe

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



18.5151, 25.3264, 33.1907



31.3951, 44.4472, 59.3581



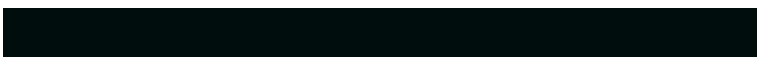
12.5521, 13.4003, 31.2031



6.3846, 7.0265, 7.9487



14.1655, 20.7277, 28.1619



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 15.1940, 10.1373, 5.4308 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 15.1940, 10.1373, 5.4308 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 15.1940, 10.1373, 5.4308

Background



This preview shows how black text looks on a background with the XYZ color 15.1940, 10.1373, 5.4308.

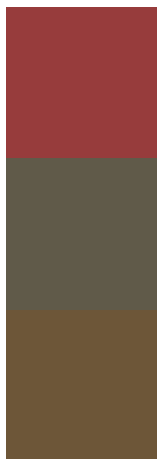


This preview shows how white text looks on a background with the XYZ color 15.1940, 10.1373,

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

15.1940, 10.1373, 5.4308

Protanopia

9.6826, 10.2802, 7.7773

Deuteranopia

10.3483, 10.1923, 5.1633



Tritanopia

15.2237, 10.0661, 5.8432

Trichromacy



Original Color

15.1940, 10.1373, 5.4308

Protanomaly

11.0418, 9.7223, 6.7635

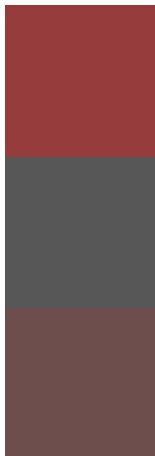
Deuteranomaly

11.7046, 9.8882, 5.1626

Tritanomaly

15.1960, 10.0550, 5.6973

Monochromacy



Original Color

15.1940, 10.1373, 5.4308

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.4238, 9.1586, 8.2396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1940, 10.1373, 5.4308 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(151, 60, 60)` looks like.

```
.text, #text, p{  
    color:rgb(151, 60, 60)  
}
```

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(151, 60, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 60, 60) }
```

Border

The CSS property to change the border of an element to XYZ 15.1940, 10.1373, 5.4308 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(151, 60, 60) }
```


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

```
.border{ border-color:rgb(151, 60, 60) }
```

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

Here you see how a box with a 4 pixel rgb(151, 60, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 60, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 60, 60);  
box-shadow:4px 4px 4px 4px rgb(151, 60,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1940, 10.1373, 5.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 60, 60) }
```

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

```
.background{ background-color: rgb(151, 60,  
60) }
```

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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