

Converting Colors

XYZ(16.2910, 10.1337, 7.1410)

Have a look what the booklet for
XYZ(16.2910, 10.1337, 7.1410)
contains.

XYZ(16.3151, 10.1692, 7.0642)	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(16.3151, 10.1692,
7.0642)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3547
RGB	157, 53, 71
RGB Percent	62%, 21%, 28%
CMY	0.3843, 0.7921, 0.7216
CMYK	0.00, 0.66, 0.55, 0.38
HSL	350°, 50%, 41%
HSV	350°, 66%, 62%
XYZ	16.3151, 10.1692, 7.0642
YIQ	86.1480, 56.2060, 27.6460

Conversions

Conversions Part 2

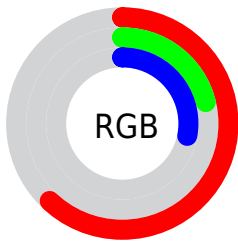
Format	Color
R_{YB}	157, 53, 71
Decimal	10302791
CIE _{Lab}	38.14, 44.50, 12.99
CIE _{LCh}	38, 46.353, 16.272
Yxy	10.1692, 0.4863, 0.3031
Android (android.graphics.Color)	4288492871 (0xFF9D3547)
YUV	86.1480, -7.4680, 62.1372
Hunter-Lab	31.8892, 35.5179, 9.1883

Details

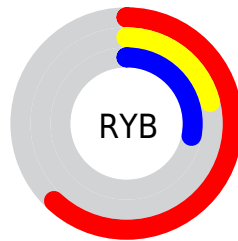
The XYZ color **16.3151, 10.1692, 7.0642** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.1861, 26.7352, 28.6300**, and the grayscale version is **8.8842, 9.3469, 10.1788**.

A 20% lighter version of the original color is **36.8027, 26.2389, 20.5777**, and **5.4651, 2.7932, 1.3497** is the 20% darker color. If you saturate the color by 10%, you get **15.3399, 8.8160, 4.8984**, and if you desaturate by 10%, it is **17.6143, 12.0281, 9.7775**.

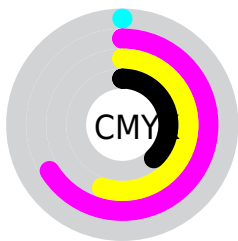
Distribution



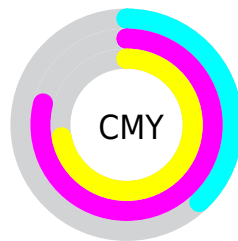
- Red (62%)
- Green (21%)
- Blue (28%)



- Red (62%)
- Yellow (21%)
- Blue (28%)



- Cyan (0%)
- Magenta (66%)
- Yellow (55%)
- Black (38%)





- Cyan (38%)
- Magenta (79%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3151, 10.1692, 7.0642 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 16.3151, 10.1692, 7.0642 by changing the saturation by 10% instead.


 16.3151, 10.1692,
7.0642


 16.3151, 10.1692,
7.0642


224.4280,
191.8754, 177.8472


 9.8397, 5.5113,
3.4232


 36.6974, 26.1133,
20.6173


 5.3542, 2.5503,
1.3146

 51.3350, 38.1682,
31.3665


 2.4934, 0.9017,
0.0737

 69.4240, 53.4576,
45.3223

 0.8920, 0.0000,
0.0000

 91.3298, 72.3659,
62.9030

 0.0000, 0.0000,
0.0000

 117.4178, 95.2774,
84.5273

 148.0532,

122.5766, 110.6138

183.6015,
154.6478, 141.5809

■ 16.3151, 10.1692,
7.0642

■ 16.3151, 10.1692,
7.0642

■ 15.3399, 8.8160,
4.8984

■ 17.6143, 12.0281,
9.7775

■ 14.6584, 7.9167,
3.2415

■ 19.2627, 14.4344,
13.0721

■ 14.2301, 7.4009,
2.0486

■ 21.2837, 17.4274,
16.9798

■ 14.1044, 7.2480,
1.7027

■ 23.6987, 21.0425,
21.5297

■ 26.5271, 25.3121,
26.7493

■ 29.7873, 30.2663,
32.6642

■ 33.4964, 35.9335,
39.2987

■ 37.6706, 42.3404,
46.6761

■ 42.3255, 49.5123,
54.8185

Harmonies

Analogous

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



16.4091, 10.1692, 15.4662



16.3151, 10.1692, 7.0642



14.2181, 10.1692, 2.9188

Triad

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



16.3151, 10.1692, 7.0642



6.0725, 10.1692, 3.1368



8.3622, 10.1692, 36.0666

Complementary

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



16.3151, 10.1692, 7.0642



18.1861, 26.7352, 28.6300

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.



6.2061, 10.1692, 27.7797



16.3151, 10.1692, 7.0642



5.0809, 10.1692, 7.6014

Square

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



16.3151, 10.1692, 7.0642



8.1400, 10.1692, 1.5871



5.1241, 10.1692, 16.3668



11.3707, 10.1692, 35.6519

Rectangle

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



16.3151, 10.1692, 7.0642



12.1732, 10.1692, 1.7967



5.1241, 10.1692, 16.3668



7.5283, 10.1692, 34.0759

Sweetspot

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



16.3154, 10.1698, 7.0644



45.3149, 42.0150, 43.8806



17.8296, 10.3787, 32.9619



9.6836, 8.8111, 9.1244



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.3154, 10.1698, 7.0644



26.8885, 15.0049, 7.3944



17.8702, 14.0708, 5.1429



6.6776, 6.6640, 7.1533



11.4654, 5.8907, 1.4361



0.2164, 0.1099, 0.0858

Inverse Universe

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



16.3154, 10.1698, 7.0644



26.8885, 15.0049, 7.3944



14.7705, 17.6238, 34.5216



6.6776, 6.6640, 7.1533



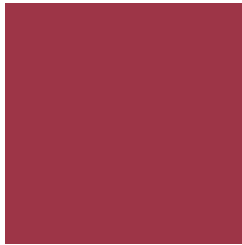
11.4654, 5.8907, 1.4361



0.2164, 0.1099, 0.0858

Previews

White Background



This preview shows how the XYZ color 16.3151, 10.1692, 7.0642 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

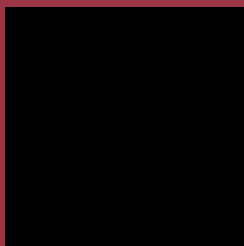
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3151, 10.1692, 7.0642

Background



This preview shows how black text looks on a background with the XYZ color 16.3151, 10.1692, 7.0642.



This preview shows how white text looks on a background with the XYZ color 16.3151, 10.1692,

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

16.3151, 10.1692, 7.0642

Protanopia

9.9735, 10.3608, 10.9254

Deuteranopia

10.4550, 10.3355, 6.5982



Tritanopia

15.8659, 10.1161, 5.2540

Trichromacy



Original Color

16.3151, 10.1692, 7.0642

Protanomaly

11.3793, 9.6300, 9.2417

Deuteranomaly

12.0169, 9.8095, 6.7289

Tritanomaly

15.9267, 10.0651, 5.8060

Monochromacy



Original Color

16.3151, 10.1692, 7.0642

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.6161, 8.9364, 8.9499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3151, 10.1692, 7.0642 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(157, 53, 71)` looks like.

```
.text, #text, p{  
    color:rgb(157, 53, 71)  
}
```

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(157, 53, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 53, 71) }
```

Border

The CSS property to change the border of an element to XYZ 16.3151, 10.1692, 7.0642 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(157, 53, 71) }
```


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

```
.border{ border-color:rgb(157, 53, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 53, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 53, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 53, 71);  
box-shadow:4px 4px 4px 4px rgb(157, 53,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3151, 10.1692, 7.0642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 53, 71) }
```

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

```
.background{ background-color: rgb(157, 53,  
71) }
```

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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