

Converting Colors

XYZ(15.7656, 10.0238, 5.3095)

Have a look what the booklet for
XYZ(15.7656, 10.0238, 5.3095)
contains.

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Color

**XYZ(15.8189, 10.0220,
5.2384)**

Conversions

Conversions Part 1

Format	Color
Hex	9C363B
RGB	156, 54, 59
RGB Percent	61%, 21%, 23%
CMY	0.3882, 0.7882, 0.7686
CMYK	0.00, 0.65, 0.62, 0.39
HSL	357°, 49%, 41%
HSV	357°, 65%, 61%
XYZ	15.8189, 10.0220, 5.2384
YIQ	85.0680, 59.1870, 23.1790

Conversions

Conversions Part 2

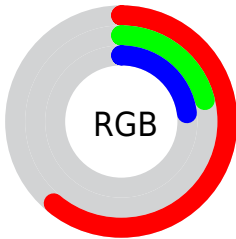
Format	Color
R _Y B	156, 54, 59
Decimal	10237499
CIE Lab	37.88, 42.78, 20.16
CIE LCh	38, 47.294, 25.230
Yxy	10.0220, 0.5090, 0.3225
Android (android.graphics.Color)	4288427579 (0xFF9C363B)
YUV	85.0680, -12.8515, 62.2074
Hunter-Lab	31.6575, 33.7936, 12.3495

Details

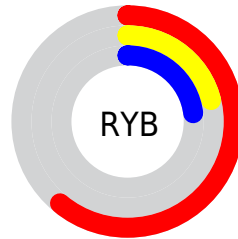
The XYZ color **15.8189, 10.0220, 5.2384** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.9964, 26.7958, 33.4512**, and the grayscale version is **8.6667, 9.1180, 9.9295**.

A 20% lighter version of the original color is **35.7799, 25.7957, 16.7289**, and **5.2468, 2.6931, 0.7736** is the 20% darker color. If you saturate the color by 10%, you get **14.8741, 8.6633, 3.2874**, and if you desaturate by 10%, it is **17.1064, 11.8913, 7.8434**.

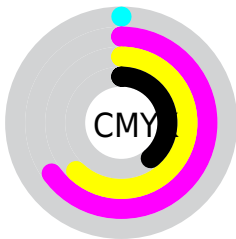
Distribution



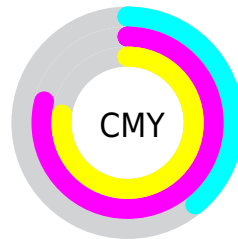
- Red (61%)
- Green (21%)
- Blue (23%)



- Red (61%)
- Yellow (21%)
- Blue (23%)



- Cyan (0%)
- Magenta (65%)
- Yellow (62%)
- Black (39%)





- Cyan (39%)
- Magenta (79%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8189, 10.0220, 5.2384 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 15.8189, 10.0220, 5.2384 by changing the saturation by 10% instead.


 15.8189, 10.0220,
5.2384


 15.8189, 10.0220,
5.2384


221.5622,
190.8290, 161.1301


 9.4861, 5.4135,
2.3266


 35.8435, 25.8369,
16.7779


 5.1192, 2.4919,
0.7461

 50.2661, 37.8121,
26.2427


 2.3529, 0.8726,
0.0000

 68.1159, 53.0117,
38.7289

 0.8215, 0.0000,
0.0000

 89.7584, 71.8200,
54.6550

 0.0000, 0.0000,
0.0000

 115.5589, 94.6215,
74.4397

 145.8828,

121.8006, 98.5014

181.0955,
153.7416, 127.2587

■ 15.8189, 10.0220,
5.2384

■ 15.8189, 10.0220,
5.2384

■ 14.8741, 8.6633,
3.2874

■ 17.1064, 11.8913,
7.8434

■ 14.2387, 7.7634,
1.9318

■ 18.7645, 14.3132,
11.1530

■ 13.8711, 7.2574,
1.1029

■ 20.8189, 17.3271,
15.2135

■ 13.7521, 7.0846,
0.8620

■ 23.2931, 20.9687,
20.0669

■ 26.2085, 25.2705,
25.7522

■ 29.5851, 30.2629,
32.3060

■ 33.4417, 35.9745,
39.7625

■ 37.7961, 42.4322,
48.1541

■ 42.6652, 49.6614,
57.5116

Harmonies

Analogous

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



16.5811, 10.0220, 12.3575



15.8189, 10.0220, 5.2384



13.2445, 10.0220, 2.1491

Triad

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



15.8189, 10.0220, 5.2384



5.5004, 10.0220, 3.9003



9.0499, 10.0220, 37.3708

Complementary

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



15.8189, 10.0220, 5.2384



18.9964, 26.7958, 33.4512

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.



6.5775, 10.0220, 31.1254



15.8189, 10.0220, 5.2384



4.8237, 10.0220, 9.5843

Square

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



15.8189, 10.0220, 5.2384



7.2542, 10.0220, 1.7133



5.1717, 10.0220, 19.6692



12.2276, 10.0220, 33.9966

Rectangle

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



15.8189, 10.0220, 5.2384



11.0875, 10.0220, 1.4283



5.1717, 10.0220, 19.6692



8.1178, 10.0220, 36.2619

Sweetspot

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



15.8191, 10.0226, 5.2386



44.8441, 41.8267, 41.4017



20.0641, 11.6089, 32.6356



9.5710, 8.7660, 8.5312



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.



15.8191, 10.0226, 5.2386



26.4707, 14.9590, 4.8210



18.9241, 16.4301, 5.6647



6.6456, 6.6511, 6.9847



11.3314, 5.8371, 0.7303



0.2060, 0.1057, 0.0311

Inverse Universe

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



15.8191, 10.0226, 5.2386



26.4707, 14.9590, 4.8210



13.1094, 14.3587, 33.5330



6.6456, 6.6511, 6.9847



11.3314, 5.8371, 0.7303



0.2060, 0.1057, 0.0311

Previews

White Background



This preview shows how the XYZ color 15.8189, 10.0220, 5.2384 looks on a white background.

Color Contrast Check

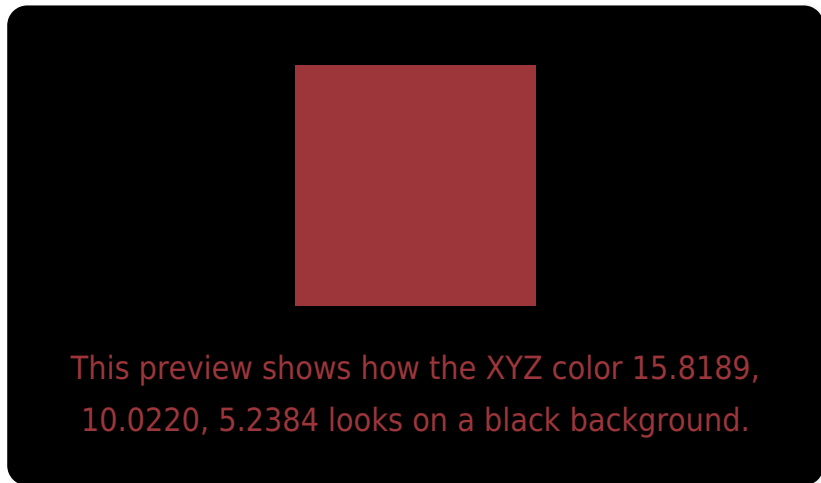
Large Text (above 18pt) WCAG AA ✓ Pass

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

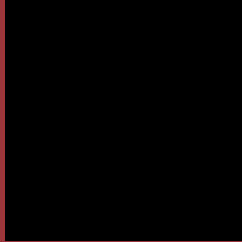
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8189, 10.0220, 5.2384

Background



This preview shows how black text looks on a background with the XYZ color 15.8189, 10.0220, 5.2384.



This preview shows how white text looks on a background with the XYZ color 15.8189, 10.0220,

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

15.8189, 10.0220, 5.2384

Protanopia

9.6115, 10.2396, 7.9484

Deuteranopia

10.3003, 10.1731, 4.9108



Tritanopia

15.7680, 10.0017, 4.9703

Trichromacy



Original Color

15.8189, 10.0220, 5.2384

Protanomaly

11.0642, 9.5193, 6.8845

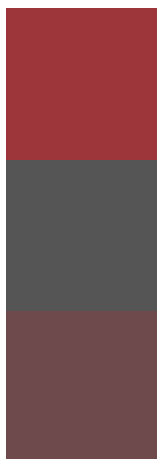
Deuteranomaly

11.7668, 9.6187, 4.9778

Tritanomaly

15.7932, 10.0117, 5.1031

Monochromacy



Original Color

15.8189, 10.0220, 5.2384

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.3088, 8.7989, 7.9925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8189, 10.0220, 5.2384 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(156, 54, 59)` looks like.

```
.text, #text, p{  
    color:rgb(156, 54, 59)  
}
```

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(156, 54, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 54, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.8189, 10.0220, 5.2384 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(156, 54, 59) }
```


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

```
.border{ border-color:rgb(156, 54, 59) }
```

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

Here you see how a box with a 4 pixel rgb(156, 54, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 54, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 54, 59);  
box-shadow:4px 4px 4px 4px rgb(156, 54,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8189, 10.0220, 5.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 54, 59) }
```

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

```
.background{ background-color: rgb(156, 54,  
59) }
```

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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