

Converting Colors

XYZ(15.2845, 10.2817, 3.7535)

Have a look what the booklet for
XYZ(15.2845, 10.2817, 3.7535)
contains.

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Color

**XYZ(15.2988, 10.3070,
3.7679)**

Conversions

Conversions Part 1

Format	Color
Hex	993D2E
RGB	153, 61, 46
RGB Percent	60%, 24%, 18%
CMY	0.4000, 0.7608, 0.8196
CMYK	0.00, 0.60, 0.70, 0.40
HSL	8°, 54%, 39%
HSV	8°, 70%, 60%
XYZ	15.2988, 10.3070, 3.7679
YIQ	86.7980, 59.6470, 14.8390

Conversions

Conversions Part 2

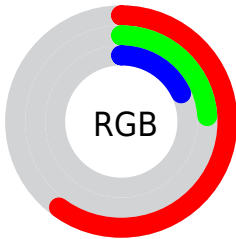
Format	Color
R_{YB}	153, 63, 46
Decimal	10042670
CIE Lab	38.39, 37.55, 28.60
CIE LCh	38, 47.203, 37.290
Yxy	10.3070, 0.5208, 0.3509
Android (android.graphics.Color)	4288232750 (0xFF993D2E)
YUV	86.7980, -20.1134, 58.0592
Hunter-Lab	32.1045, 28.8779, 15.5147

Details

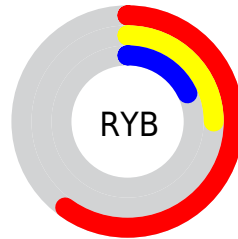
The XYZ color **15.2988, 10.3070, 3.7679** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.9644, 21.0566, 33.3599**, and the grayscale version is **9.0489, 9.5201, 10.3674**.

A 20% lighter version of the original color is **34.8773, 26.3581, 13.3746**, and **4.8890, 2.6170, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **14.4311, 8.9713, 2.2468**, and if you desaturate by 10%, it is **16.4467, 12.0314, 5.9129**.

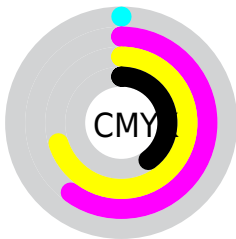
Distribution



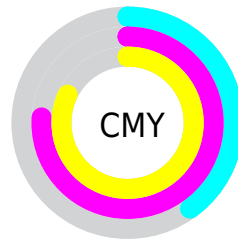
- Red (60%)
- Green (24%)
- Blue (18%)



- Red (60%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (60%)
- Yellow (70%)
- Black (40%)



- Cyan (40%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2988, 10.3070, 3.7679 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 15.2988, 10.3070, 3.7679 by changing the saturation by 10% instead.

■ 15.2988, 10.3070,
3.7679

■ 15.2988, 10.3070,
3.7679

218.5204,
192.8494, 145.6096

■ 9.1170, 5.6030,
1.4989

■ 34.9439, 26.3714,
13.4708

■ 4.8753, 2.6052,
0.2171

■ 49.1379, 38.5005,
21.7418

■ 2.2083, 0.9293,
0.0000

■ 66.7334, 53.8734,
32.8506

■ 0.7471, 0.0000,
0.0000

■ 88.0958, 72.8746,
47.2156

■ 0.0000, 0.0000,
0.0000

■ 113.5903, 95.8884,
65.2555

■ 143.5823,

123.2992, 87.3888

178.4372,
155.4914, 114.0339

■ 15.2988, 10.3070,
3.7679

■ 15.2988, 10.3070,
3.7679

■ 14.4311, 8.9713,
2.2468

■ 16.4467, 12.0314,
5.9129

■ 13.8181, 7.9922,
1.2814

■ 17.8960, 14.1699,
8.7393

■ 13.4156, 7.3290,
0.7104

■ 19.6666, 16.7478,
12.2986

■ 13.4135, 7.3255,
0.7070

■ 21.7762, 19.7878,
16.6371

■ 24.2415, 23.3113,
21.7974

■ 27.0781, 27.3379,
27.8188

■ 30.3004, 31.8864,
34.7384

■ 33.9223, 36.9747,
42.5908

■ 37.9568, 42.6196,
51.4091

Harmonies

Analogous

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



16.9166, 10.3070, 9.2064



15.2988, 10.3070, 3.7679



12.2632, 10.3070, 1.7248

Triad

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



15.2988, 10.3070, 3.7679



5.2888, 10.3070, 5.8689



10.5668, 10.3070, 37.8236

Complementary

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



15.2988, 10.3070, 3.7679



15.9644, 21.0566, 33.3599

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.



7.6849, 10.3070, 35.2393



15.2988, 10.3070, 3.7679



5.0210, 10.3070, 13.5135

Square

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



15.2988, 10.3070, 3.7679



6.6309, 10.3070, 2.4183



5.8025, 10.3070, 24.9400



13.8368, 10.3070, 30.8260

Rectangle

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



15.2988, 10.3070, 3.7679



10.0789, 10.3070, 1.3793



5.8025, 10.3070, 24.9400



9.5194, 10.3070, 38.0896

Sweetspot

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



15.2990, 10.3076, 3.7681



42.7187, 40.7574, 37.5724



18.7547, 10.5827, 25.3783



9.1805, 8.6397, 7.7666



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.



15.2990, 10.3076, 3.7681



25.1632, 14.9882, 2.9208



19.6211, 18.9517, 5.2088



6.2752, 6.3555, 6.5018



11.1017, 6.0858, 0.5896



0.1817, 0.1225, 0.0141

Inverse Universe

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



15.9644, 21.0566, 33.3599



26.3094, 35.2671, 59.3925



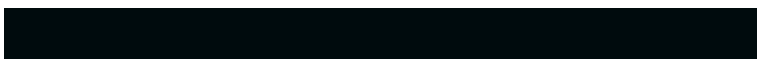
10.1435, 9.4147, 31.4196



6.3107, 6.8788, 7.9241



11.5389, 15.4745, 27.2864



0.1903, 0.2669, 0.4139

Previews

White Background



This preview shows how the XYZ color 15.2988, 10.3070, 3.7679 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 15.2988, 10.3070, 3.7679 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 15.2988, 10.3070, 3.7679

Background



This preview shows how black text looks on a background with the XYZ color 15.2988, 10.3070, 3.7679.



This preview shows how white text looks on a background with the XYZ color 15.2988, 10.3070,

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

15.2988, 10.3070, 3.7679

Protanopia

9.7104, 10.4770, 5.2519

Deuteranopia

10.6185, 10.4872, 3.5624



Tritanopia

15.7599, 10.3458, 5.7237

Trichromacy



Original Color

15.2988, 10.3070, 3.7679

Protanomaly

11.0962, 9.9072, 4.5763

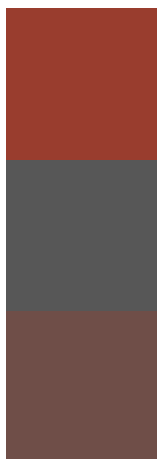
Deuteranomaly

12.0625, 10.2124, 3.6209

Tritanomaly

15.6561, 10.3873, 4.9212

Monochromacy



Original Color

15.2988, 10.3070, 3.7679

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.4496, 9.2962, 7.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2988, 10.3070, 3.7679 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(153, 61, 46)` looks like.

```
.text, #text, p{  
    color:rgb(153, 61, 46)  
}
```

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(153, 61, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 61, 46) }
```

Border

The CSS property to change the border of an element to XYZ 15.2988, 10.3070, 3.7679 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(153, 61, 46) }
```


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

```
.border{ border-color:rgb(153, 61, 46) }
```

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

Here you see how a box with a 4 pixel rgb(153, 61, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 61, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 61, 46);  
box-shadow:4px 4px 4px 4px rgb(153, 61,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2988, 10.3070, 3.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 61, 46) }
```

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

```
.background{ background-color: rgb(153, 61,  
46) }
```

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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