

Converting Colors

XYZ(15.4614, 9.5790, 6.7372)

Have a look what the booklet for
XYZ(15.4614, 9.5790, 6.7372)
contains.

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Color

**XYZ(15.3949, 9.5696,
6.6659)**

Conversions

Conversions Part 1

Format	Color
Hex	993345
RGB	153, 51, 69
RGB Percent	60%, 20%, 27%
CMY	0.4000, 0.8000, 0.7294
CMYK	0.00, 0.67, 0.55, 0.40
HSL	349°, 50%, 40%
HSV	349°, 67%, 60%
XYZ	15.3949, 9.5696, 6.6659
YIQ	83.5500, 55.0140, 27.2220

Conversions

Conversions Part 2

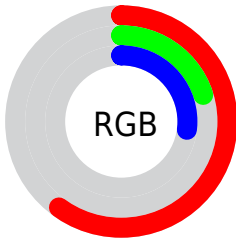
Format	Color
R_{YB}	153, 51, 69
Decimal	10040133
CIE _{Lab}	37.06, 43.85, 12.66
CIE _{LCh}	37, 45.641, 16.098
Yxy	9.5696, 0.4867, 0.3025
Android (android.graphics.Color)	4288230213 (0xFF993345)
YUV	83.5500, -7.1731, 60.9077
Hunter-Lab	30.9348, 34.6959, 8.8784

Details

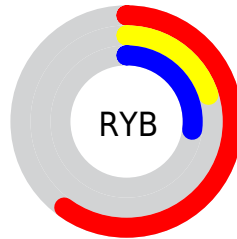
The XYZ color **15.3949, 9.5696, 6.6659** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.1303, 25.2359, 26.8919**, and the grayscale version is **8.3410, 8.7754, 9.5564**.

A 20% lighter version of the original color is **35.2125, 24.9819, 19.7957**, and **5.0103, 2.5614, 1.2076** is the 20% darker color. If you saturate the color by 10%, you get **14.4825, 8.3058, 4.6327**, and if you desaturate by 10%, it is **16.6108, 11.3077, 9.2104**.

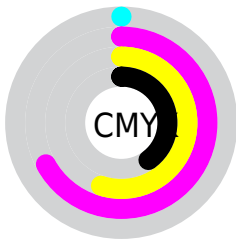
Distribution



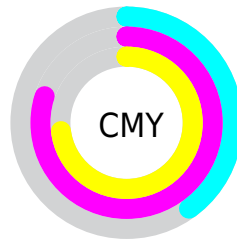
- Red (60%)
- Green (20%)
- Blue (27%)



- Red (60%)
- Yellow (20%)
- Blue (27%)



- Cyan (0%)
- Magenta (67%)
- Yellow (55%)
- Black (40%)





- Cyan (40%)
- Magenta (80%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3949, 9.5696, 6.6659 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 15.3949, 9.5696, 6.6659 by changing the saturation by 10% instead.


 15.3949, 9.5696,
6.6659


 15.3949, 9.5696,
6.6659

219.0855,
187.5720, 174.3822


 9.1851, 5.1145,
3.1788


 35.1105, 24.9828,
19.7992


 4.9202, 2.3146,
1.1866

 49.3470, 36.7096,
30.2824


 2.2348, 0.7814,
0.0000

 66.9898, 51.6292,
43.9347

 0.7610, 0.0000,
0.0000

 88.4042, 70.1260,
61.1748

 0.0000, 0.0000,
0.0000

 113.9556, 92.5842,
82.4210

 144.0094,

119.3884, 108.0919

178.9309,
150.9229, 138.6062

■ 15.3949, 9.5696,
6.6659

■ 15.3949, 9.5696,
6.6659

■ 14.4825, 8.3058,
4.6327

■ 16.6108, 11.3077,
9.2104

■ 13.8451, 7.4674,
3.0747

■ 18.1540, 13.5594,
12.2976

■ 13.4422, 6.9831,
1.9494

■ 20.0463, 16.3617,
15.9570

■ 13.3346, 6.8514,
1.6561

■ 22.3078, 19.7477,
20.2158

■ 24.9568, 23.7481,
25.0996

■ 28.0106, 28.3911,
30.6321

■ 31.4851, 33.7034,
36.8361

■ 35.3957, 39.7102,
43.7332

■ 39.7568, 46.4353,
51.3439

Harmonies

Analogous

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



15.4718, 9.5696, 14.6337



15.3949, 9.5696, 6.6659



13.4183, 9.5696, 2.7381

Triad

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



15.3949, 9.5696, 6.6659



5.7091, 9.5696, 2.9152



7.8490, 9.5696, 34.0737

Complementary

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



15.3949, 9.5696, 6.6659



17.1303, 25.2359, 26.8919

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.



5.8180, 9.5696, 26.1803



15.3949, 9.5696, 6.6659



4.7675, 9.5696, 7.1039

Square

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



15.3949, 9.5696, 6.6659



7.6677, 9.5696, 1.4706



4.8027, 9.5696, 15.3699



10.6907, 9.5696, 33.7339

Rectangle

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



15.3949, 9.5696, 6.6659



11.4852, 9.5696, 1.6763



4.8027, 9.5696, 15.3699



7.0629, 9.5696, 32.1701

Sweetspot

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



15.3951, 9.5701, 6.6661



42.8411, 39.7243, 41.5525



16.8134, 9.7612, 31.1349



9.1910, 8.3657, 8.6797



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.



15.3951, 9.5701, 6.6661



25.3170, 14.0468, 6.8223



16.8511, 13.2445, 4.8009



6.2511, 6.2396, 6.7023



11.0301, 5.6663, 1.4176



0.1746, 0.0886, 0.0725

Inverse Universe

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



15.3951, 9.5701, 6.6661



25.3170, 14.0468, 6.8223



13.9165, 16.6063, 32.6089



6.2511, 6.2396, 6.7023



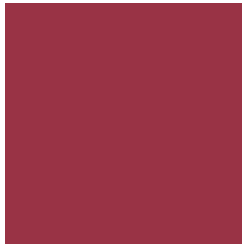
11.0301, 5.6663, 1.4176



0.1746, 0.0886, 0.0725

Previews

White Background



This preview shows how the XYZ color 15.3949, 9.5696, 6.6659 looks on a white background.

Color Contrast Check

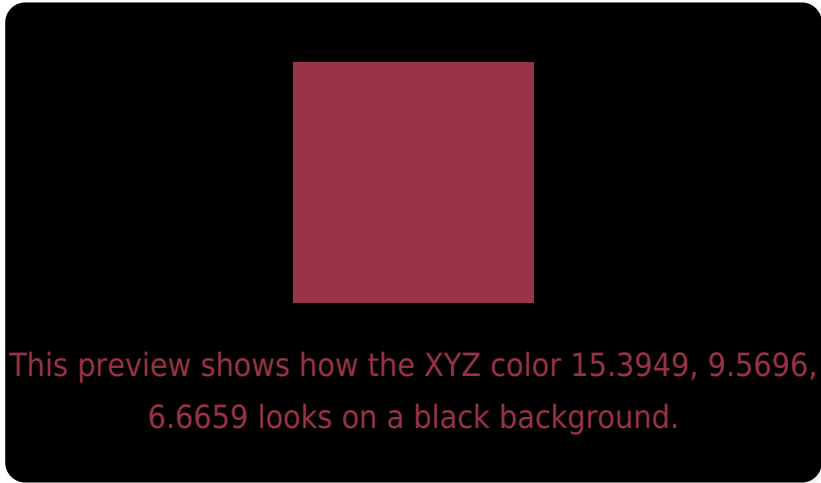
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

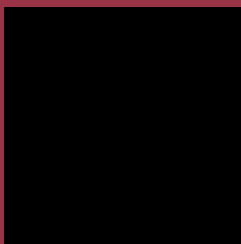
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3949, 9.5696, 6.6659

Background



This preview shows how black text looks on a background with the XYZ color 15.3949, 9.5696, 6.6659.



This preview shows how white text looks on a background with the XYZ color 15.3949, 9.5696,

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

15.3949, 9.5696, 6.6659

Protanopia

9.4265, 9.8412, 10.4195

Deuteranopia

9.8047, 9.6539, 6.1971



Tritanopia

14.9358, 9.5071, 4.7892

Trichromacy



Original Color

15.3949, 9.5696, 6.6659

Protanomaly

10.7741, 9.1221, 8.7823

Deuteranomaly

11.3268, 9.1657, 6.3264

Tritanomaly

15.0192, 9.4683, 5.4508

Monochromacy



Original Color

15.3949, 9.5696, 6.6659

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.0353, 8.4505, 8.4993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3949, 9.5696, 6.6659 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, 51, 69)` looks like.

```
.text, #text, p{  
    color:rgb(153, 51, 69)  
}
```

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, 51, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 51, 69) }
```

Border

The CSS property to change the border of an element to XYZ 15.3949, 9.5696, 6.6659 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, 51, 69) }
```


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

```
.border{ border-color:rgb(153, 51, 69) }
```

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

Here you see how a box with a 4 pixel rgb(153, 51, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 51, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 51, 69);  
box-shadow:4px 4px 4px 4px rgb(153, 51,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3949, 9.5696, 6.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 51, 69) }
```

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

```
.background{ background-color: rgb(153, 51,  
69) }
```

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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