

Converting Colors

XYZ(13.7700, 9.6267, 6.4599)

Have a look what the booklet for
XYZ(13.7700, 9.6267, 6.4599)
contains.

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Color

**XYZ(13.7751, 9.6230,
6.4416)**

Conversions

Conversions Part 1

Format	Color
Hex	8D3F43
RGB	141, 63, 67
RGB Percent	55%, 25%, 26%
CMY	0.4471, 0.7529, 0.7373
CMYK	0.00, 0.55, 0.52, 0.45
HSL	357°, 38%, 40%
HSV	357°, 55%, 55%
XYZ	13.7751, 9.6230, 6.4416
YIQ	86.7780, 45.2040, 17.7800

Conversions

Conversions Part 2

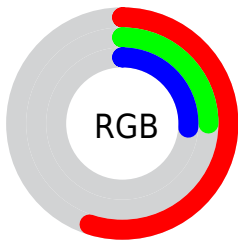
Format	Color
R_{YB}	141, 63, 67
Decimal	9256771
CIE _{Lab}	37.16, 33.51, 13.72
CIE _{LCh}	37, 36.211, 22.264
Yxy	9.6230, 0.4616, 0.3225
Android (android.graphics.Color)	4287446851 (0xFF8D3F43)
YUV	86.7780, -9.7506, 47.5527
Hunter-Lab	31.0210, 24.9776, 9.4029

Details

The XYZ color **13.7751, 9.6230, 6.4416** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.0907, 21.9128, 27.0499**, and the grayscale version is **9.0252, 9.4952, 10.3403**.

A 20% lighter version of the original color is **32.2883, 25.0538, 19.3537**, and **4.1341, 2.3073, 1.0916** is the 20% darker color. If you saturate the color by 10%, you get **12.7358, 8.1142, 4.3387**, and if you desaturate by 10%, it is **15.1076, 11.5699, 9.0999**.

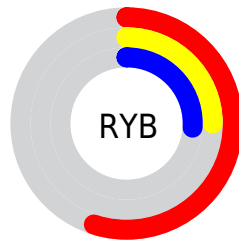
Distribution



Red (55%)

Green (25%)

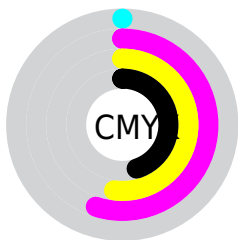
Blue (26%)



Red (55%)

Yellow (25%)

Blue (26%)

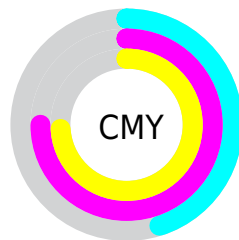


Cyan (0%)

Magenta (55%)

Yellow (52%)

Black (45%)



Cyan (45%)

Magenta (75%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7751, 9.6230, 6.4416 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 13.7751, 9.6230, 6.4416 by changing the saturation by 10% instead.

■ 13.7751, 9.6230,
6.4416

■ 13.7751, 9.6230,
6.4416

209.3659,
187.9598, 172.3906

■ 8.0451, 5.1497,
3.0423

■ 32.2791, 25.0839,
19.3341

■ 4.1758, 2.3354,
1.1163

■ 45.7837, 36.8404,
29.6644

■ 1.8021, 0.7923,
0.0000

■ 62.6105, 51.7934,
43.1421

■ 0.5189, 0.0000,
0.0000

■ 83.1250, 70.3273,
60.1857

■ 0.0000, 0.0000,
0.0000

■ 107.6924, 92.8265,
81.2138

■ 136.6781,

119.6753, 106.6450

170.4475,
151.2583, 136.8978

■ 13.7751, 9.6230,
6.4416

■ 13.7751, 9.6230,
6.4416

■ 12.7358, 8.1142,
4.3387

■ 15.1076, 11.5699,
9.0999

■ 11.9669, 7.0082,
2.7514

■ 16.7525, 13.9837,
12.3485

■ 11.4435, 6.2668,
1.6354

■ 18.7280, 16.8924,
16.2203

■ 11.1320, 5.8364,
0.9374

■ 21.0508, 20.3214,
20.7453

■ 11.0240, 5.6785,
0.7224

■ 23.7366, 24.2944,
25.9519

■ 26.7998, 28.8337,
31.8665

■ 30.2545, 33.9601,
38.5143

■ 34.1136, 39.6936,
45.9192

■ 38.3897, 46.0533,
54.1040

Harmonies

Analogous

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



14.1514, 9.6230, 12.2399



13.7751, 9.6230, 6.4416



12.0653, 9.6230, 3.4054

Triad

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



13.7751, 9.6230, 6.4416



6.1277, 9.6230, 4.5668



8.5750, 9.6230, 28.2308

Complementary

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



13.7751, 9.6230, 6.4416



16.0907, 21.9128, 27.0499

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.



6.7408, 9.6230, 23.6881



13.7751, 9.6230, 6.4416



5.4872, 9.6230, 8.8935

Square

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



13.7751, 9.6230, 6.4416



7.5998, 9.6230, 2.6747



5.6916, 9.6230, 15.9228



10.8897, 9.6230, 26.6859

Rectangle

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



13.7751, 9.6230, 6.4416



10.5320, 9.6230, 2.5419



5.6916, 9.6230, 15.9228



7.8880, 9.6230, 27.3168

Sweetspot

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



13.7753, 9.6235, 6.4418



36.7944, 35.0563, 35.3934



16.7063, 10.6962, 26.3831



8.0541, 7.5877, 7.5861



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.7753, 9.6235, 6.4418



22.4800, 14.0577, 7.0990



16.1382, 14.5346, 6.6583



5.4194, 5.4283, 5.7065



10.0538, 5.1785, 0.6685



0.0979, 0.0502, 0.0158

Inverse Universe

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



13.7753, 9.6235, 6.4418



22.4800, 14.0577, 7.0990



12.1367, 13.5375, 27.1724



5.4194, 5.4283, 5.7065



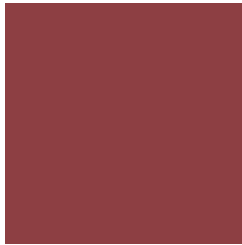
10.0538, 5.1785, 0.6685



0.0979, 0.0502, 0.0158

Previews

White Background



This preview shows how the XYZ color 13.7751, 9.6230, 6.4416 looks on a white background.

Color Contrast Check

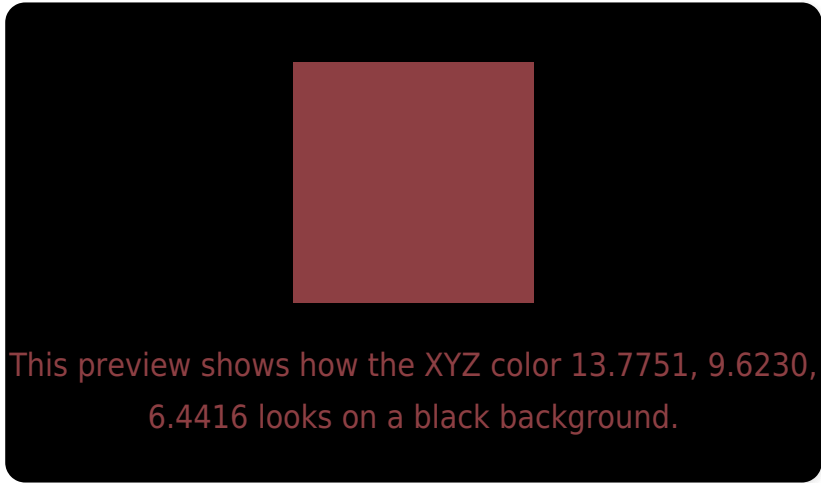
Large Text (above 18pt) WCAG AA ✓ Pass

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

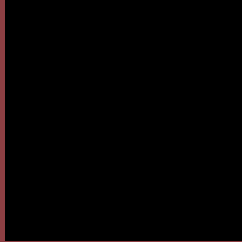
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7751, 9.6230, 6.4416

Background



This preview shows how black text looks on a background with the XYZ color 13.7751, 9.6230, 6.4416.



This preview shows how white text looks on a background with the XYZ color 13.7751, 9.6230,

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

13.7751, 9.6230, 6.4416

Protanopia

9.3146, 9.8193, 8.8015

Deuteranopia

9.8932, 9.7028, 6.0540



Tritanopia

13.7751, 9.6230, 6.4416

Trichromacy



Original Color

13.7751, 9.6230, 6.4416

Protanomaly

10.4964, 9.4150, 7.9207

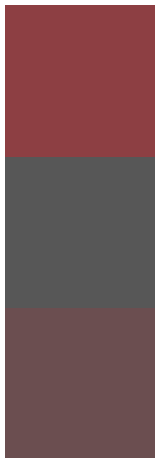
Deuteranomaly

10.9811, 9.3906, 6.0843

Tritanomaly

13.7751, 9.6230, 6.4416

Monochromacy



Original Color

13.7751, 9.6230, 6.4416

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.2358, 9.1538, 8.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7751, 9.6230, 6.4416 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(141, 63, 67)` looks like.

```
.text, #text, p{  
    color:rgb(141, 63, 67)  
}
```

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(141, 63, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 63, 67) }
```

Border

The CSS property to change the border of an element to XYZ 13.7751, 9.6230, 6.4416 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(141, 63, 67) }
```


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

```
.border{ border-color:rgb(141, 63, 67) }
```

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

Here you see how a box with a 4 pixel rgb(141, 63, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 63, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 63, 67);  
box-shadow:4px 4px 4px 4px rgb(141, 63,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7751, 9.6230, 6.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 63, 67) }
```

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

```
.background{ background-color: rgb(141, 63,  
67) }
```

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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