

Converting Colors

XYZ(13.3015, 9.5750, 5.1501)

Have a look what the booklet for
XYZ(13.3015, 9.5750, 5.1501)
contains.

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Color

**XYZ(13.3015, 9.5750,
5.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	8B413A
RGB	139, 65, 58
RGB Percent	55%, 25%, 23%
CMY	0.4549, 0.7451, 0.7725
CMYK	0.00, 0.53, 0.58, 0.45
HSL	5°, 41%, 39%
HSV	5°, 58%, 55%
XYZ	13.3015, 9.5750, 5.1501
YIQ	86.3280, 46.3510, 13.5110

Conversions

Conversions Part 2

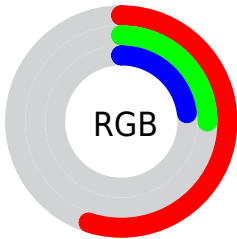
Format	Color
R_{YB}	139, 66, 58
Decimal	9126202
CIE _{Lab}	37.07, 30.85, 19.17
CIE _{LCh}	37, 36.318, 31.856
Yxy	9.5750, 0.4746, 0.3416
Android (android.graphics.Color)	4287316282 (0xFF8B413A)
YUV	86.3280, -13.9657, 46.1933
Hunter-Lab	30.9435, 22.5796, 11.7925

Details

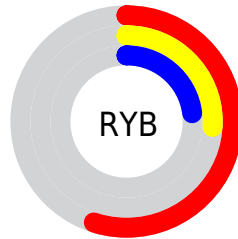
The XYZ color **13.3015, 9.5750, 5.1501** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.6560, 19.2653, 27.3723**, and the grayscale version is **8.9373, 9.4027, 10.2396**.

A 20% lighter version of the original color is **31.4455, 25.0172, 16.5360**, and **3.9350, 2.2928, 0.7254** is the 20% darker color. If you saturate the color by 10%, you get **12.3457, 8.1549, 3.3162**, and if you desaturate by 10%, it is **14.5172, 11.3621, 7.5419**.

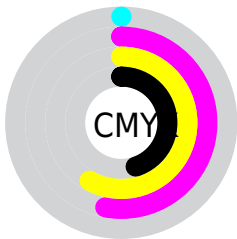
Distribution



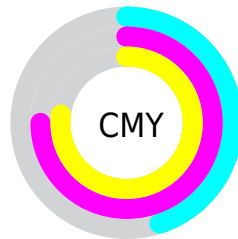
- Red (55%)
- Green (25%)
- Blue (23%)



- Red (55%)
- Yellow (26%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (58%)
- Black (45%)





- Cyan (45%)
- Magenta (75%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3015, 9.5750, 5.1501 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 13.3015, 9.5750, 5.1501 by changing the saturation by 10% instead.

 13.3015, 9.5750,
5.1501


 13.3015, 9.5750,
5.1501


206.4398,
187.6113, 160.2599


 7.7149, 5.1181,
2.2753


 31.4411, 24.9930,
16.5857


 3.9633, 2.3167,
0.7173

 44.7249, 36.7229,
25.9835


 1.6814, 0.7825,
0.0000

 61.3050, 51.6459,
38.3928

 0.4446, 0.0000,
0.0000

 81.5470, 70.1464,
54.2321

 0.0000, 0.0000,
0.0000

 105.8161, 92.6087,
73.9199

 134.4777,

119.4174, 97.8748

167.8971,
150.9568, 126.5153

■ 13.3015, 9.5750,
5.1501

■ 13.3015, 9.5750,
5.1501

■ 12.3457, 8.1549,
3.3162

■ 14.5172, 11.3621,
7.5419

■ 11.6300, 7.0750,
1.9944

■ 16.0092, 13.5377,
10.5313

■ 11.1331, 6.3070,
1.1327

■ 17.7933, 16.1234,
14.1551

■ 10.8205, 5.8140,
0.6209

■ 19.8840, 19.1388,
18.4469

■ 10.7792, 5.7523,
0.5422

■ 22.2949, 22.6022,
23.4378

■ 25.0385, 26.5308,
29.1572

■ 28.1269, 30.9410,
35.6327

■ 31.5714, 35.8484,
42.8905

■ 35.3831, 41.2678,
50.9554

Harmonies

Analogous

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



14.1572, 9.5750, 10.0286



13.3015, 9.5750, 5.1501



11.3024, 9.5750, 2.8631

Triad

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



13.3015, 9.5750, 5.1501



5.7886, 9.5750, 5.5977



9.2419, 9.5750, 28.4071

Complementary

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



13.3015, 9.5750, 5.1501



14.6560, 19.2653, 27.3723

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.



7.2054, 9.5750, 25.6506



13.3015, 9.5750, 5.1501



5.4194, 9.5750, 10.8328

Square

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



13.3015, 9.5750, 5.1501



6.9993, 9.5750, 3.0364



5.8931, 9.5750, 18.4463



11.5857, 9.5750, 24.9248

Rectangle

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



13.3015, 9.5750, 5.1501



9.7287, 9.5750, 2.3325



5.8931, 9.5750, 18.4463



8.5004, 9.5750, 28.1762

Sweetspot

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



13.3017, 9.5755, 5.1503



35.9749, 34.8010, 33.7901



16.3426, 10.1880, 23.0248



8.1289, 7.7878, 7.4548



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.



13.3017, 9.5755, 5.1503



21.6470, 13.9111, 5.0731



16.4883, 15.9487, 6.2125



5.0654, 5.1136, 5.2725



9.7349, 5.2042, 0.4914



0.0686, 0.0425, 0.0046

Inverse Universe

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



14.6560, 19.2653, 27.3723



24.2760, 32.9154, 48.8168



10.2107, 10.3748, 25.8905



5.1365, 5.6159, 6.4191



11.0599, 15.3901, 24.4334



0.0785, 0.1123, 0.1640

Previews

White Background



This preview shows how the XYZ color 13.3015, 9.5750, 5.1501 looks on a white background.

Color Contrast Check

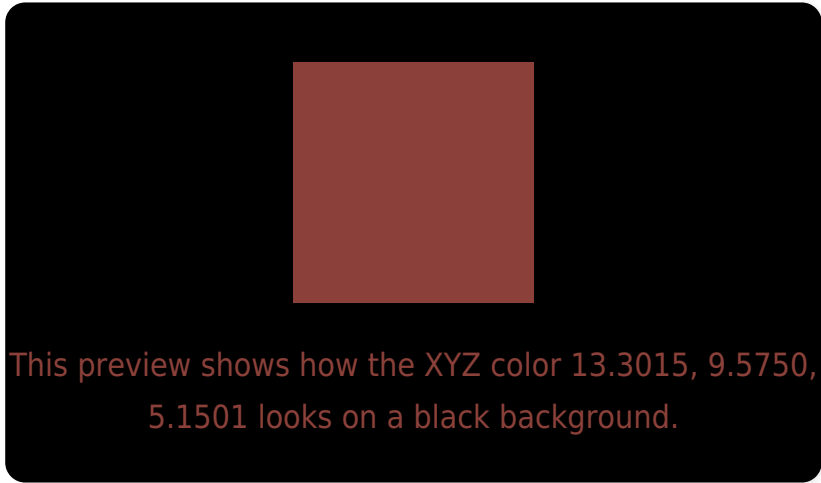
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3015, 9.5750, 5.1501

Background



This preview shows how black text looks on a background with the XYZ color 13.3015, 9.5750, 5.1501.

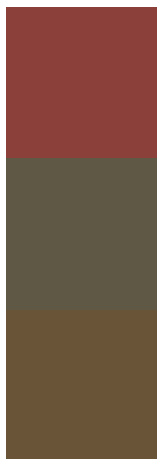


This preview shows how white text looks on a background with the XYZ color 13.3015, 9.5750,

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

13.3015, 9.5750, 5.1501

Protanopia

9.1492, 9.7765, 6.8737

Deuteranopia

9.8038, 9.6807, 4.9663



Tritanopia

13.6920, 9.6596, 6.6117

Trichromacy



Original Color

13.3015, 9.5750, 5.1501

Protanomaly

10.2245, 9.4225, 6.1303

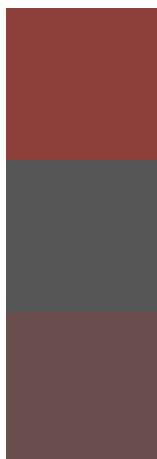
Deuteranomaly

10.8389, 9.4448, 4.9931

Tritanomaly

13.5740, 9.6124, 5.9904

Monochromacy



Original Color

13.3015, 9.5750, 5.1501

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.8546, 8.9738, 8.0502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3015, 9.5750, 5.1501 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(139, 65, 58)` looks like.

```
.text, #text, p{  
    color:rgb(139, 65, 58)  
}
```

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(139, 65, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 65, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.3015, 9.5750, 5.1501 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(139, 65, 58) }
```


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

```
.border{ border-color:rgb(139, 65, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 65, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 65, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 65, 58);  
box-shadow:4px 4px 4px 4px rgb(139, 65,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3015, 9.5750, 5.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 65, 58) }
```

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

```
.background{ background-color: rgb(139, 65,  
58) }
```

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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