

Converting Colors

XYZ(13.2337, 9.0429, 4.7097)

Have a look what the booklet for
XYZ(13.2337, 9.0429, 4.7097)
contains.

XYZ(13.2381, 9.0665, 4.6667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2381, 9.0665,
4.6667)**

Conversions

Conversions Part 1

Format	Color
Hex	8D3B37
RGB	141, 59, 55
RGB Percent	55%, 23%, 22%
CMY	0.4471, 0.7686, 0.7843
CMYK	0.00, 0.58, 0.61, 0.45
HSL	3°, 44%, 38%
HSV	3°, 61%, 55%
XYZ	13.2381, 9.0665, 4.6667
YIQ	83.0620, 50.1560, 16.1400

Conversions

Conversions Part 2

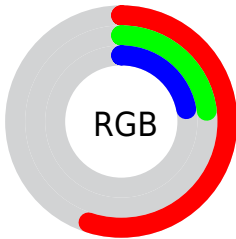
Format	Color
R _Y B	141, 59, 55
Decimal	9255735
CIE Lab	36.11, 34.56, 19.86
CIE LCh	36, 39.856, 29.881
Yxy	9.0665, 0.4908, 0.3362
Android (android.graphics.Color)	4287445815 (0xFF8D3B37)
YUV	83.0620, -13.8346, 50.8116
Hunter-Lab	30.1106, 25.7837, 11.8884

Details

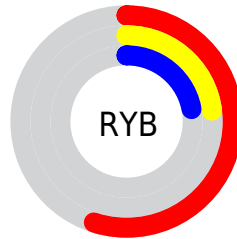
The XYZ color **13.2381, 9.0665, 4.6667** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.3283, 20.6254, 28.3725**, and the grayscale version is **8.2550, 8.6850, 9.4579**.

A 20% lighter version of the original color is **31.4201, 24.0387, 15.5543**, and **3.9692, 2.1352, 0.5508** is the 20% darker color. If you saturate the color by 10%, you get **12.3430, 7.7420, 2.9325**, and if you desaturate by 10%, it is **14.4083, 10.7866, 6.9692**.

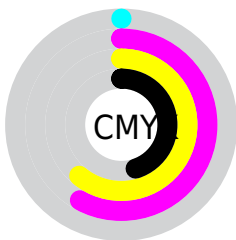
Distribution



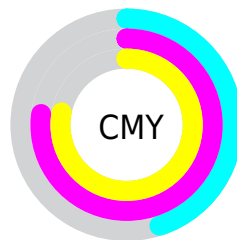
- Red (55%)
- Green (23%)
- Blue (22%)



- Red (55%)
- Yellow (23%)
- Blue (22%)



- Cyan (0%)
- Magenta (58%)
- Yellow (61%)
- Black (45%)





- Cyan (45%)
- Magenta (77%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2381, 9.0665, 4.6667 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 13.2381, 9.0665, 4.6667 by changing the saturation by 10% instead.


 13.2381, 9.0665,
4.6667


 13.2381, 9.0665,
4.6667


206.0449,
183.8732, 155.3702


 7.6708, 4.7846,
1.9978


 31.3286, 24.0242,
15.5203


 3.9351, 2.1214,
0.5539

 44.5825, 35.4688,
24.5421


 1.6655, 0.6766,
0.0000

 61.1293, 50.0697,
36.5185

 0.4345, 0.0000,
0.0000

 81.3345, 68.2113,
51.8682

 0.0000, 0.0000,
0.0000

 105.5632, 90.2781,
71.0097

 134.1810,

116.6544, 94.3615

167.5531,
147.7247, 122.3421

■ 13.2381, 9.0665,
4.6667

■ 13.2381, 9.0665,
4.6667

■ 12.3430, 7.7420,
2.9325

■ 14.4083, 10.7866,
6.9692

■ 11.6997, 6.7803,
1.7169

■ 15.8727, 12.9287,
9.8831

■ 11.2826, 6.1458,
0.9623

■ 17.6499, 15.5187,
13.4480

■ 11.0558, 5.8052,
0.5378

■ 19.7563, 18.5802,
17.6999

■ 22.2075, 22.1348,
22.6721

■ 25.0180, 26.2030,
28.3958

■ 28.2014, 30.8040,
34.9006

■ 31.7707, 35.9562,
42.2141

■ 35.7381, 41.6769,
50.3629

Harmonies

Analogous

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



14.0667, 9.0665, 9.8991



13.2381, 9.0665, 4.6667



11.1303, 9.0665, 2.3108

Triad

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



13.2381, 9.0665, 4.6667



5.2274, 9.0665, 4.6381



8.6079, 9.0665, 29.6986

Complementary

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



13.2381, 9.0665, 4.6667



15.3283, 20.6254, 28.3725

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.



6.5145, 9.0665, 26.1535



13.2381, 9.0665, 4.6667



4.7961, 9.0665, 9.8447

Square

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



13.2381, 9.0665, 4.6667



6.5282, 9.0665, 2.3005



5.2206, 9.0665, 17.9700



11.1108, 9.0665, 26.2057

Rectangle

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



13.2381, 9.0665, 4.6667



9.4487, 9.0665, 1.7645



5.2206, 9.0665, 17.9700



7.8364, 9.0665, 29.2748

Sweetspot

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



13.2383, 9.0670, 4.6669



36.4640, 34.8468, 33.8920



16.9478, 10.2340, 25.1775



7.9032, 7.4332, 7.0816



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.



13.2383, 9.0670, 4.6669



21.6431, 13.1779, 4.3723



16.3149, 15.2201, 5.6924



5.4278, 5.4619, 5.6575



10.0841, 5.3000, 0.4915



0.0996, 0.0571, 0.0058

Inverse Universe

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



15.3283, 20.6254, 28.3725



25.6974, 35.6976, 50.6638



10.4875, 10.9438, 26.7589



5.5391, 6.0739, 6.9092



12.2152, 17.4163, 25.6950



0.1211, 0.1751, 0.2471

Previews

White Background



This preview shows how the XYZ color 13.2381, 9.0665, 4.6667 looks on a white background.

Color Contrast Check

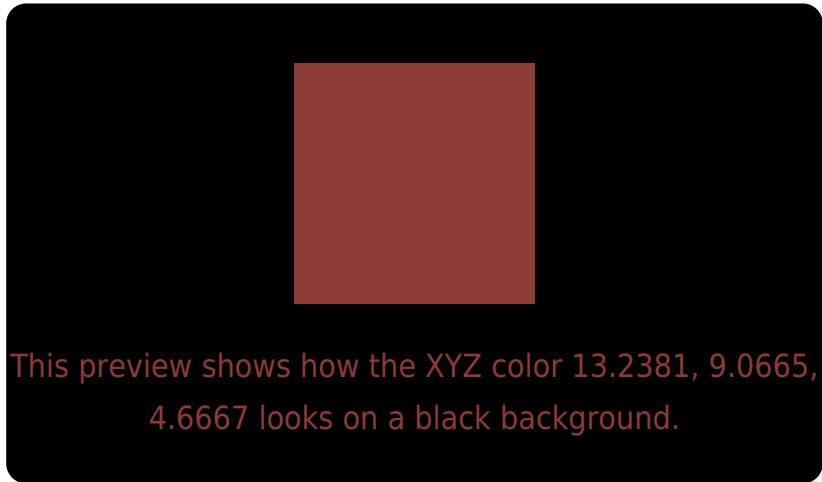
Large Text (above 18pt) WCAG AA ✓ Pass

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

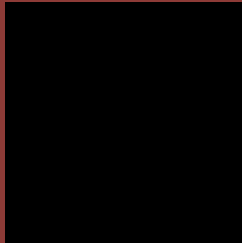
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2381, 9.0665, 4.6667

Background



This preview shows how black text looks on a background with the XYZ color 13.2381, 9.0665, 4.6667.

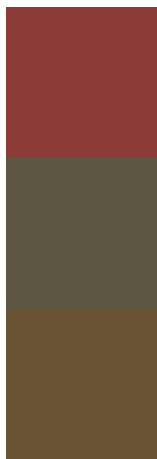


This preview shows how white text looks on a background with the XYZ color 13.2381, 9.0665,

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

13.2381, 9.0665, 4.6667

Protanopia

8.7248, 9.3242, 6.4942

Deuteranopia

9.3238, 9.2167, 4.4195



Tritanopia

13.3671, 9.0366, 5.5972

Trichromacy



Original Color

13.2381, 9.0665, 4.6667

Protanomaly

9.8844, 8.8317, 5.7412

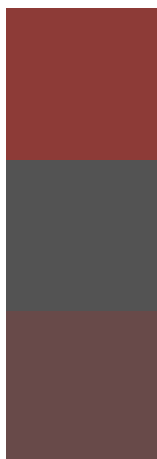
Deuteranomaly

10.4047, 8.9274, 4.4236

Tritanomaly

13.2870, 9.0046, 5.1754

Monochromacy



Original Color

13.2381, 9.0665, 4.6667

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.3603, 8.3217, 7.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2381, 9.0665, 4.6667 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, 59, 55)` looks like.

```
.text, #text, p{  
  color:rgb(141, 59, 55)  
}
```

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, 59, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 59, 55) }
```

Border

The CSS property to change the border of an element to XYZ 13.2381, 9.0665, 4.6667 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, 59, 55) }
```


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

```
.border{ border-color:rgb(141, 59, 55) }
```

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

Here you see how a box with a 4 pixel rgb(141, 59, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 59, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 59, 55);  
box-shadow:4px 4px 4px 4px rgb(141, 59,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2381, 9.0665, 4.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 59, 55) }
```

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

```
.background{ background-color: rgb(141, 59,  
55) }
```

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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