

Converting Colors

XYZ(16.2436, 9.7886, 3.8352)

Have a look what the booklet for
XYZ(16.2436, 9.7886, 3.8352)
contains.

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Color

**XYZ(16.2084, 9.7445,
3.8229)**

Conversions

Conversions Part 1

Format	Color
Hex	A12E30
RGB	161, 46, 48
RGB Percent	63%, 18%, 19%
CMY	0.3686, 0.8196, 0.8118
CMYK	0.00, 0.71, 0.70, 0.37
HSL	359°, 56%, 41%
HSV	359°, 71%, 63%
XYZ	16.2084, 9.7445, 3.8229
YIQ	80.6130, 67.8980, 25.0020

Conversions

Conversions Part 2

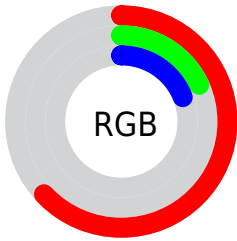
Format	Color
R_{YB}	161, 46, 48
Decimal	10563120
CIE _{Lab}	37.38, 47.18, 26.54
CIE _{LCh}	37, 54.139, 29.360
Yxy	9.7445, 0.5443, 0.3273
Android (android.graphics.Color)	4288753200 (0xFFA12E30)
YUV	80.6130, -16.0782, 70.4994
Hunter-Lab	31.2162, 38.0544, 14.5904

Details

The XYZ color **16.2084, 9.7445, 3.8229** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.1305, 28.5740, 37.2587**, and the grayscale version is **7.7668, 8.1712, 8.8985**.

A 20% lighter version of the original color is **36.3963, 25.2946, 13.5537**, and **5.4904, 2.8292, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **15.4229, 8.6062, 2.2276**, and if you desaturate by 10%, it is **17.3467, 11.4022, 6.1105**.

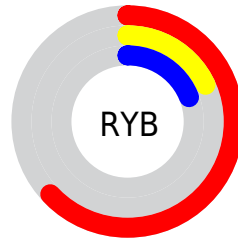
Distribution



Red (63%)

Green (18%)

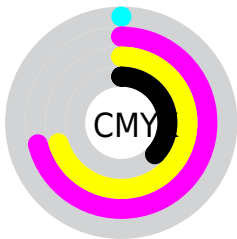
Blue (19%)



Red (63%)

Yellow (18%)

Blue (19%)

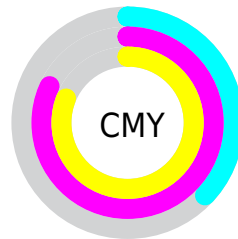


Cyan (0%)

Magenta (71%)

Yellow (70%)

Black (37%)



Cyan (37%)


Magenta (82%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2084, 9.7445, 3.8229 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 16.2084, 9.7445, 3.8229 by changing the saturation by 10% instead.


 16.2084, 9.7445,
3.8229


 16.2084, 9.7445,
3.8229


223.8146,
188.8387, 146.2361


 9.7635, 5.2299,
1.5287


 36.5142, 25.3138,
13.5992


 5.3035, 2.3828,
0.2392

 51.1057, 37.1373,
21.9184


 2.4630, 0.8170,
0.0000

 69.1436, 52.1659,
33.0830

 0.8766, 0.0000,
0.0000

 90.9931, 70.7839,
47.5116

 0.0000, 0.0000,
0.0000

 117.0196, 93.3758,
65.6226

 147.5885,

120.3260, 87.8347

183.0650,
152.0188, 114.5663

■ 16.2084, 9.7445,
3.8229

■ 16.2084, 9.7445,
3.8229

■ 15.4229, 8.6062,
2.2276

■ 17.3467, 11.4022,
6.1105

■ 14.9485, 7.9244,
1.2461

■ 18.8718, 13.6294,
9.1564

■ 14.7130, 7.5831,
0.7683

■ 20.8147, 16.4721,
13.0197

■ 23.2028, 19.9712,
17.7532

■ 26.0615, 24.1641,
23.4054

■ 29.4139, 29.0855,
30.0214

■ 33.2820, 34.7675,
37.6430

■ 37.6860, 41.2406,
46.3099

■ 42.6455, 48.5333,
56.0593

Harmonies

Analogous

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



17.4582, 9.7445, 10.8205



16.2084, 9.7445, 3.8229



13.0093, 9.7445, 1.2781

Triad

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



16.2084, 9.7445, 3.8229



4.6987, 9.7445, 3.6425



9.1891, 9.7445, 42.5053

Complementary

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



16.2084, 9.7445, 3.8229



20.1305, 28.5740, 37.2587

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.



6.3135, 9.7445, 36.2493



16.2084, 9.7445, 3.8229



4.1419, 9.7445, 10.4025

Square

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



16.2084, 9.7445, 3.8229



6.4119, 9.7445, 1.2278



4.6524, 9.7445, 22.6929



12.8514, 9.7445, 36.7255

Rectangle

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



16.2084, 9.7445, 3.8229



10.5221, 9.7445, 0.7858



4.6524, 9.7445, 22.6929



8.1064, 9.7445, 41.7014

Sweetspot

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



16.2086, 9.7451, 3.8231



46.6904, 43.2997, 41.9489



21.3474, 11.7127, 34.8535



9.9331, 9.0462, 8.5940



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.2086, 9.7451, 3.8231



27.0349, 14.5685, 2.7814



19.7168, 16.8257, 4.7942



7.0785, 7.0879, 7.3999



11.7526, 6.0571, 0.6220



0.2484, 0.1278, 0.0205

Inverse Universe

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



16.2086, 9.7451, 3.8231



27.0349, 14.5685, 2.7814



12.8530, 13.7400, 35.6925



7.0785, 7.0879, 7.3999



11.7526, 6.0571, 0.6220



0.2484, 0.1278, 0.0205

Previews

White Background



This preview shows how the XYZ color 16.2084, 9.7445, 3.8229 looks on a white background.

Color Contrast Check

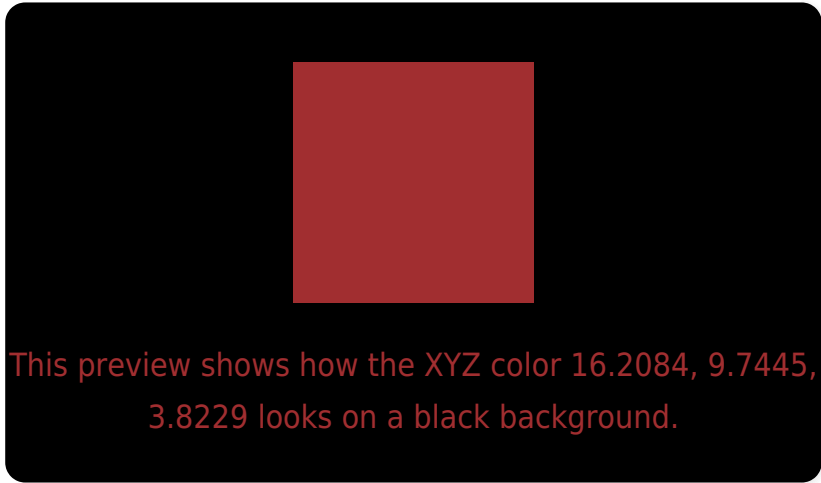
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2084, 9.7445, 3.8229

Background



This preview shows how black text looks on a background with the XYZ color 16.2084, 9.7445, 3.8229.



This preview shows how white text looks on a background with the XYZ color 16.2084, 9.7445,

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

16.2084, 9.7445, 3.8229

Protanopia

9.2935, 9.9904, 6.1412

Deuteranopia

10.0791, 9.9721, 3.4914



Tritanopia

16.2084, 9.7445, 3.8229

Trichromacy



Original Color

16.2084, 9.7445, 3.8229

Protanomaly

10.8920, 9.0636, 5.1784

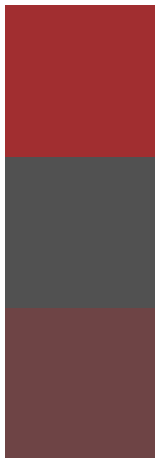
Deuteranomaly

11.7611, 9.3555, 3.5688

Tritanomaly

16.2084, 9.7445, 3.8229

Monochromacy



Original Color

16.2084, 9.7445, 3.8229

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.5717, 7.8789, 6.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2084, 9.7445, 3.8229 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(161, 46, 48)` looks like.

```
.text, #text, p{  
    color:rgb(161, 46, 48)  
}
```

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(161, 46, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 46, 48) }
```

Border

The CSS property to change the border of an element to XYZ 16.2084, 9.7445, 3.8229 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(161, 46, 48) }
```


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

```
.border{ border-color:rgb(161, 46, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 46, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 46, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 46, 48);  
box-shadow:4px 4px 4px 4px rgb(161, 46,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2084, 9.7445, 3.8229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 46, 48) }
```

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

```
.background{ background-color: rgb(161, 46,  
48) }
```

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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