

Converting Colors

XYZ(16.4089, 11.3539, 4.0264)

Have a look what the booklet for
XYZ(16.4089, 11.3539, 4.0264)
contains.

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Color

**XYZ(16.4249, 11.3876,
4.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	9D432F
RGB	157, 67, 47
RGB Percent	62%, 26%, 18%
CMY	0.3843, 0.7372, 0.8157
CMYK	0.00, 0.57, 0.70, 0.38
HSL	11°, 54%, 40%
HSV	11°, 70%, 62%
XYZ	16.4249, 11.3876, 4.0217
YIQ	91.6300, 60.0600, 12.8600

Conversions

Conversions Part 2

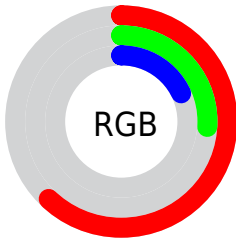
Format	Color
RYB	157, 71, 47
Decimal	10306351
CIELab	40.23, 36.15, 30.34
CIElCh	40, 47.189, 40.004
Yxy	11.3876, 0.5160, 0.3577
Android (android.graphics.Color)	4288496431 (0xFF9D432F)
YUV	91.6300, -22.0026, 57.3295
Hunter-Lab	33.7455, 27.8264, 16.5558

Details

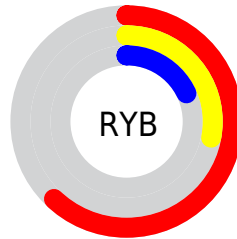
The XYZ color **16.4249, 11.3876, 4.0217** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.2032, 20.9289, 35.0839**, and the grayscale version is **10.1272, 10.6547, 11.6029**.

A 20% lighter version of the original color is **36.8177, 28.3639, 14.1240**, and **5.4264, 3.0510, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **15.4825, 9.9219, 2.4163**, and if you desaturate by 10%, it is **17.6511, 13.2390, 6.2840**.

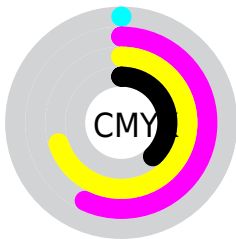
Distribution



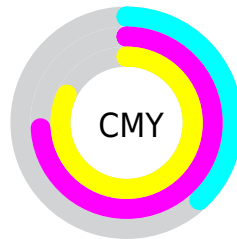
- Red (62%)
- Green (26%)
- Blue (18%)



- Red (62%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (70%)
- Black (38%)





- Cyan (38%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4249, 11.3876, 4.0217 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 16.4249, 11.3876, 4.0217 by changing the saturation by 10% instead.

 16.4249, 11.3876,
4.0217


 16.4249, 11.3876,
4.0217


225.0575,
200.3078, 148.4663


 9.9181, 6.3282,
1.6373


 36.8858, 28.3747,
14.0598


 5.4065, 3.0456,
0.3172

 51.5706, 41.0712,
22.5505


 2.5249, 1.1556,
0.0000

 69.7121, 57.0821,
33.9137

 0.9078, 0.0250,
0.0000

 91.6757, 76.7919,
48.5680

 0.0000, 0.0000,
0.0000

 117.8266,
100.5850, 66.9318

 148.5303,

128.8457, 89.4238

184.1522,
161.9585, 116.4624

■ 16.4249, 11.3876,
4.0217

■ 16.4249, 11.3876,
4.0217

■ 15.4825, 9.9219,
2.4163

■ 17.6511, 13.2390,
6.2840

■ 14.7991, 8.8121,
1.3956

■ 19.1818, 15.4991,
9.2640

■ 14.3330, 8.0250,
0.7935

■ 21.0362, 18.1915,
13.0161

■ 23.2321, 21.3371,
17.5892

■ 25.7855, 24.9559,
23.0282

■ 28.7118, 29.0662,
29.3749

■ 32.0252, 33.6856,
36.6681

■ 35.7394, 38.8308,
44.9445

■ 39.8671, 44.5177,
54.2388

Harmonies

Analogous

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



18.3202, 11.3876, 9.5122



16.4249, 11.3876, 4.0217



13.1328, 11.3876, 1.9803

Triad

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



16.4249, 11.3876, 4.0217



5.9030, 11.3876, 7.1807



11.9594, 11.3876, 40.1453

Complementary

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



16.4249, 11.3876, 4.0217



16.2032, 20.9289, 35.0839

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.



8.8023, 11.3876, 38.3851



16.4249, 11.3876, 4.0217



5.7148, 11.3876, 15.8180

Square

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



16.4249, 11.3876, 4.0217



7.2467, 11.3876, 3.0581



6.6669, 11.3876, 28.0614



15.4179, 11.3876, 32.0841

Rectangle

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



16.4249, 11.3876, 4.0217



10.8232, 11.3876, 1.6761



6.6669, 11.3876, 28.0614



10.8240, 11.3876, 40.7508

Sweetspot

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



16.4252, 11.3882, 4.0219



45.5278, 43.7738, 39.8419



19.5570, 11.0556, 25.4018



9.7541, 9.2589, 8.2020



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.4252, 11.3882, 4.0219



26.9936, 16.5897, 3.1920



21.1744, 20.8867, 5.6050



6.7258, 6.8316, 6.9498



11.6618, 6.5592, 0.6514



0.2321, 0.1645, 0.0195

Inverse Universe

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



16.2032, 20.9289, 35.0839



26.4272, 34.5018, 62.3934



10.4027, 9.3278, 33.1504



6.7192, 7.3042, 8.4624



11.2844, 14.6604, 28.1422



0.2262, 0.3110, 0.5113

Previews

White Background



This preview shows how the XYZ color 16.4249, 11.3876, 4.0217 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 × Fail

Black Background



This preview shows how the XYZ color 16.4249, 11.3876, 4.0217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

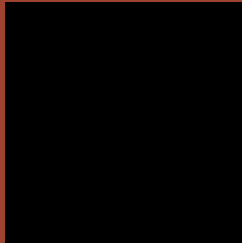
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4249, 11.3876, 4.0217

Background



This preview shows how black text looks on a background with the XYZ color 16.4249, 11.3876, 4.0217.



This preview shows how white text looks on a background with the XYZ color 16.4249, 11.3876,

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

16.4249, 11.3876, 4.0217

Protanopia

10.7471, 11.6644, 5.5559

Deuteranopia

11.6302, 11.5009, 3.7974



Tritanopia

16.9773, 11.3532, 6.7654

Trichromacy



Original Color

16.4249, 11.3876, 4.0217

Protanomaly

12.2033, 11.0391, 4.8557

Deuteranomaly

12.9876, 11.1220, 3.8451

Tritanomaly

16.8065, 11.3759, 5.5849

Monochromacy



Original Color

16.4249, 11.3876, 4.0217

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.6002, 10.4213, 8.2376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4249, 11.3876, 4.0217 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(157, 67, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 67, 47)  
}
```

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(157, 67, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 67, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.4249, 11.3876, 4.0217 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(157, 67, 47) }
```


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

```
.border{ border-color:rgb(157, 67, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 67, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 67, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 67, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 67,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4249, 11.3876, 4.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 67, 47) }
```

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

```
.background{ background-color: rgb(157, 67,  
47) }
```

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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