

Converting Colors

XYZ(16.3410, 11.3950, 3.4544)

Have a look what the booklet for
XYZ(16.3410, 11.3950, 3.4544)
contains.

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Color

**XYZ(16.3120, 11.3425,
3.4274)**

Conversions

Conversions Part 1

Format	Color
Hex	9D4329
RGB	157, 67, 41
RGB Percent	62%, 26%, 16%
CMY	0.3843, 0.7372, 0.8392
CMYK	0.00, 0.57, 0.74, 0.38
HSL	13°, 59%, 39%
HSV	13°, 74%, 62%
XYZ	16.3120, 11.3425, 3.4274
YIQ	90.9460, 61.9860, 10.9940

Conversions

Conversions Part 2

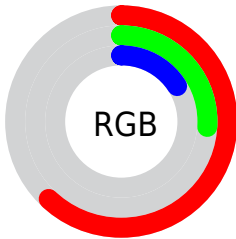
Format	Color
R_{YB}	157, 75, 41
Decimal	10306345
CIE Lab	40.15, 35.83, 33.66
CIE LCh	40, 49.162, 43.216
Yxy	11.3425, 0.5248, 0.3649
Android (android.graphics.Color)	4288496425 (0xFF9D4329)
YUV	90.9460, -24.6234, 57.9294
Hunter-Lab	33.6786, 27.5176, 17.5412

Details

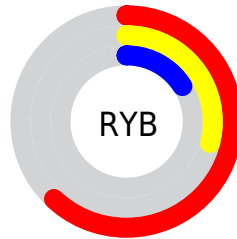
The XYZ color **16.3120, 11.3425, 3.4274** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.1158, 19.1369, 34.7951**, and the grayscale version is **9.9764, 10.4959, 11.4301**.

A 20% lighter version of the original color is **36.8552, 28.4132, 12.7743**, and **5.4264, 3.0510, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **15.4412, 9.9554, 2.0446**, and if you desaturate by 10%, it is **17.4450, 13.0793, 5.4370**.

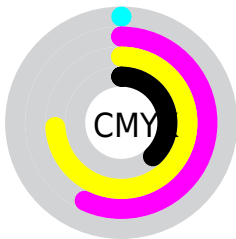
Distribution



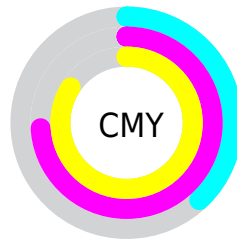
- Red (62%)
- Green (26%)
- Blue (16%)



- Red (62%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (38%)





- Cyan (38%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3120, 11.3425, 3.4274 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 16.3120, 11.3425, 3.4274 by changing the saturation by 10% instead.


 16.3120, 11.3425,
3.4274


 16.3120, 11.3425,
3.4274


224.4102,
200.0025, 141.6308


 9.8374, 6.2977,
1.3168


 36.6921, 28.2918,
12.6660


 5.3528, 3.0269,
0.0755

 51.3284, 40.9651,
20.6311


 2.4926, 1.1458,
0.0000

 69.4159, 56.9500,
31.3848

 0.8915, 0.0168,
0.0000

 91.3201, 76.6309,
45.3456

 0.0000, 0.0000,
0.0000

 117.4062,
100.3922, 62.9321

 148.0397,

128.6183, 84.5627

183.5859,
161.6936, 110.6561

16.3120, 11.3425,
3.4274

16.3120, 11.3425,
3.4274

15.4412, 9.9554,
2.0446

17.4450, 13.0793,
5.4370

14.8081, 8.8911,
1.2114

18.8598, 15.1861,
8.1368

14.5113, 8.3817,
0.8530

20.5749, 17.6839,
11.5833

22.6070, 20.5914,
15.8267

24.9715, 23.9261,
20.9129

■ 27.6827, 27.7047,
26.8843

■ 30.7541, 31.9426,
33.7804

■ 34.1984, 36.6549,
41.6385

■ 38.0279, 41.8555,
50.4935

Harmonies

Analogous

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



18.5241, 11.3425, 8.5286



16.3120, 11.3425, 3.4274



12.7911, 11.3425, 1.6754

Triad

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



16.3120, 11.3425, 3.4274



5.6350, 11.3425, 7.6750



12.3535, 11.3425, 41.2127

Complementary

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



16.3120, 11.3425, 3.4274



15.1158, 19.1369, 34.7951

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.



8.9928, 11.3425, 40.5395



16.3120, 11.3425, 3.4274



5.5666, 11.3425, 17.1703

Square

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



16.3120, 11.3425, 3.4274



6.8789, 11.3425, 3.0870



6.6668, 11.3425, 30.2323



15.9338, 11.3425, 31.7616

Rectangle

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



16.3120, 11.3425, 3.4274



10.4163, 11.3425, 1.4798



6.6668, 11.3425, 30.2323



11.1535, 11.3425, 42.2682

Sweetspot

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



16.3123, 11.3431, 3.4276



45.3920, 43.7882, 38.9151



18.8532, 10.4163, 22.7987



9.7401, 9.2877, 8.0224



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.



16.3123, 11.3431, 3.4276



26.8364, 16.4678, 2.5457



21.5291, 21.7768, 5.1665



6.7477, 6.8754, 6.9571



11.8100, 6.8555, 0.7008



0.2392, 0.1786, 0.0219

Inverse Universe

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



15.1158, 19.1369, 34.7951



24.3898, 30.8354, 61.7931



9.4402, 7.7856, 32.9032



6.6956, 7.2570, 8.4545



10.6040, 13.2995, 27.9154



0.2183, 0.2952, 0.5087

Previews

White Background



This preview shows how the XYZ color 16.3120, 11.3425, 3.4274 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 16.3120, 11.3425, 3.4274 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 16.3120, 11.3425, 3.4274

Background



This preview shows how black text looks on a background with the XYZ color 16.3120, 11.3425, 3.4274.



This preview shows how white text looks on a background with the XYZ color 16.3120, 11.3425,

3.4274.

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

16.3120, 11.3425, 3.4274

Protanopia

10.4936, 11.4180, 4.6684

Deuteranopia

11.6522, 11.5255, 3.2006



Tritanopia

16.9773, 11.3532, 6.7654

Trichromacy



Original Color

16.3120, 11.3425, 3.4274

Protanomaly

12.0738, 10.9873, 4.1737

Deuteranomaly

13.0241, 11.1547, 3.2169

Tritanomaly

16.7546, 11.3552, 5.3117

Monochromacy



Original Color

16.3120, 11.3425, 3.4274

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2901, 10.1605, 7.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3120, 11.3425, 3.4274 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(157, 67, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 67, 41) }
```

Border

The CSS property to change the border of an element to XYZ 16.3120, 11.3425, 3.4274 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, 41) }
```


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

```
.border{ border-color:rgb(157, 67, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 67, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 67, 41);  
box-shadow:4px 4px 4px 4px rgb(157, 67,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3120, 11.3425, 3.4274 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, 41) }
```

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

```
.background{ background-color: rgb(157, 67,  
41) }
```

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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