

Converting Colors

XYZ(15.2669, 12.4137, 3.0919)

Have a look what the booklet for
XYZ(15.2669, 12.4137, 3.0919)
contains.

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Color

**XYZ(15.2360, 12.4130,
3.1063)**

Conversions

Conversions Part 1

Format	Color
Hex	925322
RGB	146, 83, 34
RGB Percent	57%, 33%, 13%
CMY	0.4275, 0.6745, 0.8667
CMYK	0.00, 0.43, 0.77, 0.43
HSL	26°, 62%, 35%
HSV	26°, 77%, 57%
XYZ	15.2360, 12.4130, 3.1063
YIQ	96.2510, 53.2770, -1.8830

Conversions

Conversions Part 2

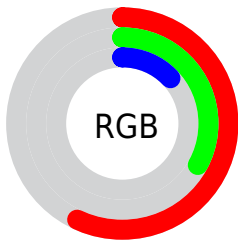
Format	Color
RYB	146, 121, 34
Decimal	9589538
CIELab	41.87, 22.19, 38.66
CIELCh	42, 44.573, 60.140
Yxy	12.4130, 0.4954, 0.4036
Android (android.graphics.Color)	4287779618 (0xFF925322)
YUV	96.2510, -30.6897, 43.6299
Hunter-Lab	35.2321, 15.5356, 19.4351

Details

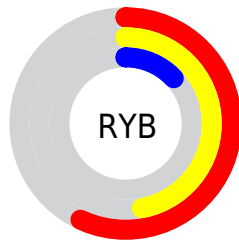
The XYZ color **15.2360, 12.4130, 3.1063** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.1223, 10.9640, 28.7766**, and the grayscale version is **11.2428, 11.8283, 12.8810**.

A 20% lighter version of the original color is **34.8124, 30.2216, 11.9812**, and **4.9760, 3.5473, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **14.4770, 11.1634, 2.0260**, and if you desaturate by 10%, it is **16.1595, 13.8486, 4.6832**.

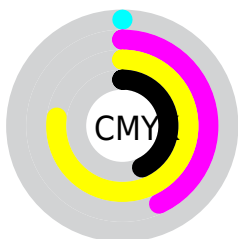
Distribution



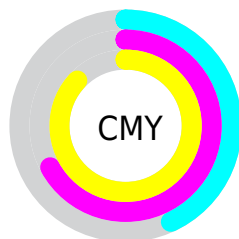
- Red (57%)
- Green (33%)
- Blue (13%)



- Red (57%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (43%)
- Yellow (77%)
- Black (43%)





- Cyan (43%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2360, 12.4130, 3.1063 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 15.2360, 12.4130, 3.1063 by changing the saturation by 10% instead.


 15.2360, 12.4130,
3.1063

 15.2360, 12.4130,
3.1063


218.1504,
207.1206, 137.7032


 9.0726, 7.0256,
1.1492


 34.8349, 30.2451,
11.8896


 4.8460, 3.4781,
0.0000


 49.0012, 43.4586,
19.5529


 2.1910, 1.3861,
0.0000

 66.5657, 60.0496,
29.9553

 0.7380, 0.2065,
0.0000

 87.8939, 80.4024,
43.5154

 0.0000, 0.0000,
0.0000

 113.3511,
104.9016, 60.6517

 143.3027,

133.9314, 81.7827

178.1140,
167.8763, 107.3270

15.2360, 12.4130,
3.1063

15.2360, 12.4130,
3.1063

14.4770, 11.1634,
2.0260

16.1595, 13.8486,
4.6832

13.8625, 10.0861,
1.3541

17.2593, 15.4771,
6.8099

13.6806, 9.7642,
1.1636

18.5467, 17.3076,
9.5336

20.0316, 19.3474,
12.8961

21.7235, 21.6039,
16.9352

■ 23.6308, 24.0837,
21.6861

■ 25.7617, 26.7933,
27.1813

■ 28.1237, 29.7389,
33.4513

■ 30.7240, 32.9263,
40.5249

Harmonies

Analogous

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



18.1573, 12.4130, 6.3077



15.2360, 12.4130, 3.1063



11.7828, 12.4130, 2.2885

Triad

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



15.2360, 12.4130, 3.1063



6.5359, 12.4130, 13.5598



15.2677, 12.4130, 36.0142

Complementary

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



15.2360, 12.4130, 3.1063



10.1223, 10.9640, 28.7766

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.



11.8136, 12.4130, 40.9294



15.2360, 12.4130, 3.1063



7.1299, 12.4130, 24.8045

Square

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



15.2360, 12.4130, 3.1063



7.1189, 12.4130, 6.3538



8.9208, 12.4130, 36.0991



18.1778, 12.4130, 24.6900

Rectangle

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



15.2360, 12.4130, 3.1063



9.7516, 12.4130, 2.6445



8.9208, 12.4130, 36.0991



14.1128, 12.4130, 38.6546

Sweetspot

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



15.2363, 12.4137, 3.1065



39.3730, 39.4884, 32.4559



14.6055, 8.1269, 12.2226



8.5249, 8.4778, 6.6450



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.2363, 12.4137, 3.1065



24.7446, 18.3067, 2.6849



21.3078, 24.5566, 5.1303



5.9971, 6.2080, 6.1226



12.0606, 8.6356, 1.0312



0.1761, 0.1627, 0.0221

Inverse Universe

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



10.1223, 10.9640, 28.7766



15.2277, 15.5162, 50.1659



6.6572, 4.0338, 27.6215



5.7538, 6.1416, 7.3519



7.2513, 7.1974, 24.9381



0.1182, 0.1469, 0.3150

Previews

White Background



This preview shows how the XYZ color 15.2360, 12.4130, 3.1063 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 15.2360, 12.4130, 3.1063 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 15.2360, 12.4130, 3.1063

Background



This preview shows how black text looks on a background with the XYZ color 15.2360, 12.4130, 3.1063.



This preview shows how white text looks on a background with the XYZ color 15.2360, 12.4130,

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

15.2360, 12.4130, 3.1063

Protanopia

11.4789, 12.6403, 3.7543

Deuteranopia

12.6945, 12.4591, 2.9641



Tritanopia

16.6801, 12.4629, 9.7100

Trichromacy



Original Color

15.2360, 12.4130, 3.1063

Protanomaly

12.6488, 12.4241, 3.4817

Deuteranomaly

13.5764, 12.3978, 2.9738

Tritanomaly

16.0355, 12.4149, 6.5522

Monochromacy



Original Color

15.2360, 12.4130, 3.1063

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.8831, 11.5406, 7.9046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2360, 12.4130, 3.1063 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(146, 83, 34)` looks like.

```
.text, #text, p{  
    color:rgb(146, 83, 34)  
}
```

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(146, 83, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 83, 34) }
```

Border

The CSS property to change the border of an element to XYZ 15.2360, 12.4130, 3.1063 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(146, 83, 34) }
```


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

```
.border{ border-color:rgb(146, 83, 34) }
```

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

Here you see how a box with a 4 pixel rgb(146, 83, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 83, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 83, 34);  
box-shadow:4px 4px 4px 4px rgb(146, 83,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2360, 12.4130, 3.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 83, 34) }
```

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

```
.background{ background-color: rgb(146, 83,  
34) }
```

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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