

Converting Colors

XYZ(16.9920, 12.9004, 3.5008)

Have a look what the booklet for
XYZ(16.9920, 12.9004, 3.5008)
contains.

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Color

**XYZ(17.0668, 12.9065,
3.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	9D4F27
RGB	157, 79, 39
RGB Percent	62%, 31%, 15%
CMY	0.3843, 0.6902, 0.8471
CMYK	0.00, 0.50, 0.75, 0.38
HSL	20°, 60%, 38%
HSV	20°, 75%, 62%
XYZ	17.0668, 12.9065, 3.5111
YIQ	97.7620, 59.3280, 4.0960

Conversions

Conversions Part 2

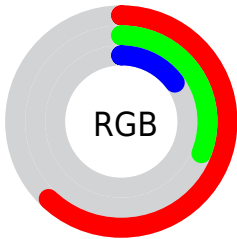
Format	Color
R_{YB}	157, 100, 39
Decimal	10309415
CIE _{Lab}	42.62, 29.40, 37.41
CIE _{LCh}	43, 47.583, 51.839
Yxy	12.9065, 0.5097, 0.3854
Android (android.graphics.Color)	4288499495 (0xFF9D4F27)
YUV	97.7620, -28.9697, 51.9517
Hunter-Lab	35.9256, 21.9283, 19.3534

Details

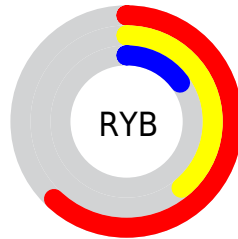
The XYZ color **17.0668, 12.9065, 3.5111** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.2833, 15.5872, 34.2066**, and the grayscale version is **11.6100, 12.2146, 13.3017**.

A 20% lighter version of the original color is **37.8489, 30.9713, 12.7873**, and **5.7455, 3.6893, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **16.1675, 11.4417, 2.1829**, and if you desaturate by 10%, it is **18.1912, 14.6496, 5.4458**.

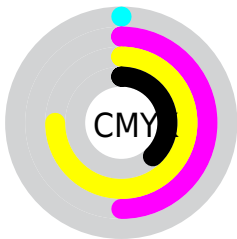
Distribution



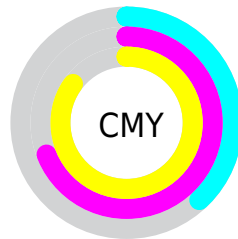
- Red (62%)
- Green (31%)
- Blue (15%)



- Red (62%)
- Yellow (39%)
- Blue (15%)



- Cyan (0%)
- Magenta (50%)
- Yellow (75%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0668, 12.9065, 3.5111 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 17.0668, 12.9065, 3.5111 by changing the saturation by 10% instead.


 17.0668, 12.9065,
3.5111


 17.0668, 12.9065,
3.5111


228.7058,
210.3176, 142.6255


 10.3777, 7.3642,
1.3612


 37.9833, 31.1357,
12.8655


 5.7143, 3.6909,
0.1111

 52.9414, 44.5914,
20.9071


 2.7111, 1.5022,
0.0000

 71.3866, 61.4537,
31.7496

 1.0029, 0.2903,
0.0000

 93.6842, 82.1069,
45.8116

 0.0000, 0.0000,
0.0000

 120.1995,
106.9355, 63.5117

 151.2980,

136.3239, 85.2683

187.3450,
170.6565, 111.5001

17.0668, 12.9065,
3.5111

17.0668, 12.9065,
3.5111

16.1675, 11.4417,
2.1829

18.1912, 14.6496,
5.4458

15.4719, 10.2361,
1.3786

19.5569, 16.6836,
8.0504

15.1880, 9.7349,
1.0785

21.1790, 19.0230,
11.3809

23.0714, 21.6804,
15.4873

25.2467, 24.6677,
20.4150

■ 27.7166, 27.9962,
26.2060

■ 30.4923, 31.6766,
32.8992

■ 33.5842, 35.7191,
40.5313

■ 37.0024, 40.1335,
49.1369

Harmonies

Analogous

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



19.8901, 12.9065, 7.8872



17.0668, 12.9065, 3.5111



13.2775, 12.9065, 2.1397

Triad

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



17.0668, 12.9065, 3.5111



6.6065, 12.9065, 11.4196



15.0301, 12.9065, 41.7000

Complementary

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



17.0668, 12.9065, 3.5111



13.2833, 15.5872, 34.2066

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.



11.3095, 12.9065, 44.2777



17.0668, 12.9065, 3.5111



6.8933, 12.9065, 22.8050

Square

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



17.0668, 12.9065, 3.5111



7.5851, 12.9065, 5.0110



8.4641, 12.9065, 36.1485



18.5630, 12.9065, 30.2294

Rectangle

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



17.0668, 12.9065, 3.5111



10.8996, 12.9065, 2.2034



8.4641, 12.9065, 36.1485



13.7447, 12.9065, 43.8040

Sweetspot

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



17.0671, 12.9072, 3.5113



45.9355, 45.1565, 38.2291



17.8803, 9.9192, 18.0081



9.7994, 9.5169, 7.7006



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.



17.0671, 12.9072, 3.5113



28.0978, 19.0215, 2.8712



23.2639, 25.3007, 5.5769



6.8077, 6.9954, 6.9771



12.3670, 7.9696, 0.8865



0.2582, 0.2167, 0.0282

Inverse Universe

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



13.2833, 15.5872, 34.2066



20.8325, 23.7860, 60.6199



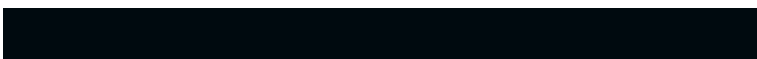
8.4694, 5.9595, 32.6020



6.6323, 7.1303, 8.4334



8.9801, 10.0517, 27.3741



0.1981, 0.2549, 0.5020

Previews

White Background



This preview shows how the XYZ color 17.0668, 12.9065, 3.5111 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 17.0668, 12.9065, 3.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

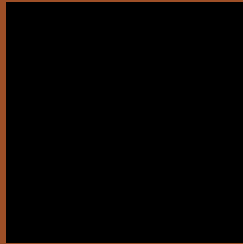
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0668, 12.9065, 3.5111

Background



This preview shows how black text looks on a background with the XYZ color 17.0668, 12.9065, 3.5111.



This preview shows how white text looks on a background with the XYZ color 17.0668, 12.9065,

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

17.0668, 12.9065, 3.5111

Protanopia

11.8289, 12.9494, 4.4608

Deuteranopia

13.2240, 12.9933, 3.3243



Tritanopia

18.2621, 12.9823, 9.1327

Trichromacy



Original Color

17.0668, 12.9065, 3.5111

Protanomaly

13.2525, 12.5923, 4.0176

Deuteranomaly

14.4558, 12.8430, 3.3861

Tritanomaly

17.6391, 12.8196, 6.5458

Monochromacy



Original Color

17.0668, 12.9065, 3.5111

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.6884, 11.9399, 8.6571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0668, 12.9065, 3.5111 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, 79, 39)` looks like.

```
.text, #text, p{  
    color:rgb(157, 79, 39)  
}
```

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, 79, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 79, 39) }
```

Border

The CSS property to change the border of an element to XYZ 17.0668, 12.9065, 3.5111 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, 79, 39) }
```


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

```
.border{ border-color:rgb(157, 79, 39) }
```

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

Here you see how a box with a 4 pixel rgb(157, 79, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 79, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 79, 39);  
box-shadow:4px 4px 4px 4px rgb(157, 79,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0668, 12.9065, 3.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 79, 39) }
```

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

```
.background{ background-color: rgb(157, 79,  
39) }
```

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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