

Converting Colors

XYZ(17.7144, 12.0675, 4.2974)

Have a look what the booklet for
XYZ(17.7144, 12.0675, 4.2974)
contains.

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Color

**XYZ(17.6658, 12.0226,
4.2952)**

Conversions

Conversions Part 1

Format	Color
Hex	A34331
RGB	163, 67, 49
RGB Percent	64%, 26%, 19%
CMY	0.3608, 0.7372, 0.8078
CMYK	0.00, 0.59, 0.70, 0.36
HSL	9°, 54%, 42%
HSV	9°, 70%, 64%
XYZ	17.6658, 12.0226, 4.2952
YIQ	93.6520, 62.9940, 14.7540

Conversions

Conversions Part 2

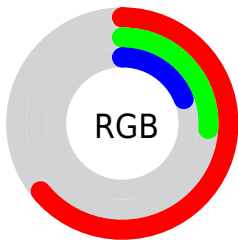
Format	Color
RYB	163, 70, 49
Decimal	10699569
CIELab	41.25, 38.57, 30.63
CIELCh	41, 49.250, 38.454
Yxy	12.0226, 0.5198, 0.3538
Android (android.graphics.Color)	4288889649 (0xFFA34331)
YUV	93.6520, -22.0134, 60.8182
Hunter-Lab	34.6736, 30.2648, 16.9270

Details

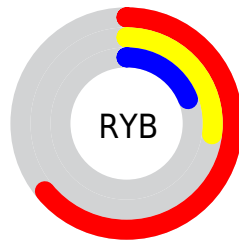
The XYZ color **17.6658, 12.0226, 4.2952** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.0020, 23.5463, 38.2462**, and the grayscale version is **10.5975, 11.1494, 12.1417**.

A 20% lighter version of the original color is **39.0212, 29.4894, 14.7017**, and **5.9861, 3.2977, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **16.6604, 10.4665, 2.5591**, and if you desaturate by 10%, it is **18.9896, 14.0167, 6.7514**.

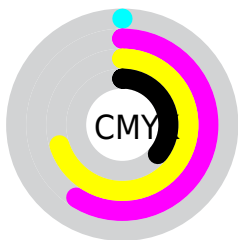
Distribution



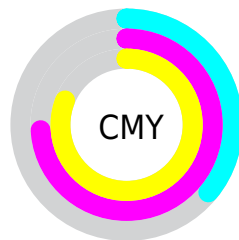
- Red (64%)
- Green (26%)
- Blue (19%)



- Red (64%)
- Yellow (27%)
- Blue (19%)



- Cyan (0%)
- Magenta (59%)
- Yellow (70%)
- Black (36%)





- Cyan (36%)
- Magenta (74%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6658, 12.0226, 4.2952 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 17.6658, 12.0226, 4.2952 by changing the saturation by 10% instead.


 17.6658, 12.0226,
4.2952


 17.6658, 12.0226,
4.2952


232.0627,
204.5549, 151.4521


 10.8085, 6.7591,
1.7886


 39.0016, 29.5363,
14.6851


 6.0046, 3.3119,
0.4205


 54.2108, 42.5552,
23.4054

 2.8886, 1.2966,
0.0000

 72.9348, 58.9280,
35.0342

 1.0951, 0.1386,
0.0000

 95.5388, 79.0392,
49.9898

 0.0210, 0.0000,
0.0000

 122.3883,
103.2730, 68.6909

 0.0000, 0.0000,
0.0000

 153.8485,

132.0140, 91.5559

190.2849,
165.6465, 119.0035

■ 17.6658, 12.0226,
4.2952

■ 17.6658, 12.0226,
4.2952

■ 16.6604, 10.4665,
2.5591

■ 18.9896, 14.0167,
6.7514

■ 15.9446, 9.3129,
1.4632

■ 20.6555, 16.4765,
9.9948

■ 15.4704, 8.5180,
0.8316

■ 22.6859, 19.4301,
14.0853

■ 15.4679, 8.5140,
0.8281

■ 25.1011, 22.9024,
19.0771

■ 27.9197, 26.9169,
25.0195

■ 31.1593, 31.4954,
31.9586

■ 34.8362, 36.6588,
39.9372

■ 38.9660, 42.4266,
48.9957

■ 43.5635, 48.8176,
59.1725

Harmonies

Analogous

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



19.6182, 12.0226, 10.4161



17.6658, 12.0226, 4.2952



14.1284, 12.0226, 2.0151

Triad

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



17.6658, 12.0226, 4.2952



6.1717, 12.0226, 7.1327



12.4627, 12.0226, 43.6096

Complementary

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



17.6658, 12.0226, 4.2952



18.0020, 23.5463, 38.2462

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.



9.0942, 12.0226, 41.0809



17.6658, 12.0226, 4.2952



5.9078, 12.0226, 16.1876

Square

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



17.6658, 12.0226, 4.2952



7.6786, 12.0226, 2.9609



6.8631, 12.0226, 29.4474



16.2317, 12.0226, 35.2107

Rectangle

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



17.6658, 12.0226, 4.2952



11.6127, 12.0226, 1.6486



6.8631, 12.0226, 29.4474



11.2435, 12.0226, 44.0701

Sweetspot

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



17.6661, 12.0233, 4.2954



49.2237, 47.1012, 43.1550



21.3830, 12.0554, 28.3532



10.7489, 10.1430, 9.0438



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.6661, 12.0233, 4.2954



29.0570, 17.4990, 3.3493



22.7539, 22.1990, 5.9914



7.1600, 7.2583, 7.4037



12.0444, 6.6627, 0.6512



0.2773, 0.1884, 0.0217

Inverse Universe

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



18.0020, 23.5463, 38.2462



29.5460, 39.1761, 68.0606



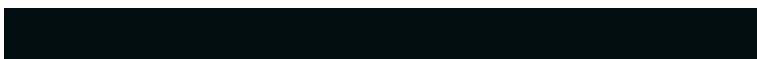
11.4415, 10.4255, 36.0594



7.1804, 7.8198, 9.0340



12.1457, 16.0709, 29.3916



0.2792, 0.3857, 0.6256

Previews

White Background



This preview shows how the XYZ color 17.6658, 12.0226, 4.2952 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 17.6658, 12.0226, 4.2952 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 17.6658, 12.0226, 4.2952

Background



This preview shows how black text looks on a background with the XYZ color 17.6658, 12.0226, 4.2952.



This preview shows how white text looks on a background with the XYZ color 17.6658, 12.0226,

4.2952.

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

17.6658, 12.0226, 4.2952

Protanopia

11.2467, 12.1874, 6.0346

Deuteranopia

12.2541, 12.0755, 4.0678



Tritanopia

18.2174, 11.9890, 6.9842

Trichromacy



Original Color

17.6658, 12.0226, 4.2952

Protanomaly

12.8744, 11.6139, 5.3045

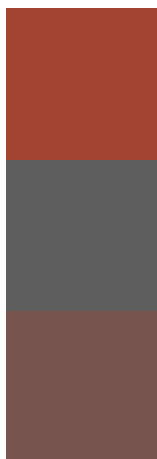
Deuteranomaly

13.8168, 11.7721, 4.1288

Tritanomaly

18.0696, 12.0209, 5.9253

Monochromacy



Original Color

17.6658, 12.0226, 4.2952

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.1532, 10.8126, 8.6542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6658, 12.0226, 4.2952 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(163, 67, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 67, 49)  
}
```

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(163, 67, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 67, 49) }
```

Border

The CSS property to change the border of an element to XYZ 17.6658, 12.0226, 4.2952 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(163, 67, 49) }
```


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

```
.border{ border-color:rgb(163, 67, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 67, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 67, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 67, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 67,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6658, 12.0226, 4.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 67, 49) }
```

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

```
.background{ background-color: rgb(163, 67,  
49) }
```

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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