

Converting Colors

XYZ(16.5931, 12.0957, 8.0004)

Have a look what the booklet for
XYZ(16.5931, 12.0957, 8.0004)
contains.

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Color

**XYZ(16.7010, 12.2020,
7.9535)**

Conversions

Conversions Part 1

Format	Color
Hex	984B4A
RGB	152, 75, 74
RGB Percent	60%, 29%, 29%
CMY	0.4039, 0.7059, 0.7098
CMYK	0.00, 0.51, 0.51, 0.40
HSL	1°, 35%, 44%
HSV	1°, 51%, 60%
XYZ	16.7010, 12.2020, 7.9535
YIQ	97.9090, 46.2130, 16.0130

Conversions

Conversions Part 2

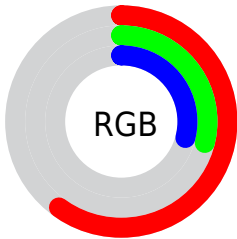
Format	Color
RYB	152, 75, 74
Decimal	9980746
CIELab	41.54, 32.05, 15.59
CIElCh	42, 35.646, 25.943
Yxy	12.2020, 0.4531, 0.3311
Android (android.graphics.Color)	4288170826 (0xFF984B4A)
YUV	97.9090, -11.7871, 47.4378
Hunter-Lab	34.9314, 24.2126, 10.9522

Details

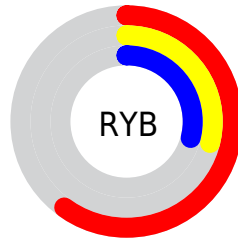
The XYZ color **16.7010, 12.2020, 7.9535** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.5573, 25.8544, 33.6653**, and the grayscale version is **11.6075, 12.2120, 13.2989**.

A 20% lighter version of the original color is **37.3305, 29.9071, 22.5440**, and **5.5335, 3.3739, 1.5879** is the 20% darker color. If you saturate the color by 10%, you get **15.3490, 10.2209, 5.2744**, and if you desaturate by 10%, it is **18.4174, 14.7139, 11.3647**.

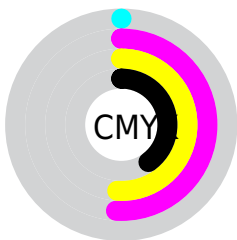
Distribution



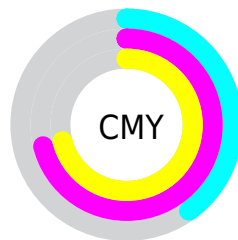
- Red (60%)
- Green (29%)
- Blue (29%)



- Red (60%)
- Yellow (29%)
- Blue (29%)



- Cyan (0%)
- Magenta (51%)
- Yellow (51%)
- Black (40%)



- Cyan (40%)
- Magenta (71%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7010, 12.2020, 7.9535 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 16.7010, 12.2020, 7.9535 by changing the saturation by 10% instead.

■ 16.7010, 12.2020,
7.9535

■ 16.7010, 12.2020,
7.9535

226.6334,
205.7380, 185.2878

■ 10.1155, 6.8814,
3.9779

■ 37.3587, 29.8625,
22.4119

■ 5.5385, 3.3880,
1.6132

■ 52.1616, 42.9711,
33.7317

■ 2.6045, 1.3375,
0.3002

■ 70.4343, 59.4446,
48.3367

■ 0.9482, 0.1700,
0.0000

■ 92.5423, 79.6673,
66.6454

■ 0.0000, 0.0000,
0.0000

■ 118.8508,
104.0236, 89.0763

149.7253,

132.8979, 116.0480

185.5310,
166.6746, 147.9790

■ 16.7010, 12.2020,
7.9535

■ 16.7010, 12.2020,
7.9535

■ 15.3490, 10.2209,
5.2744

■ 18.4174, 14.7139,
11.3647

■ 14.3342, 8.7308,
3.2734

■ 20.5209, 17.7889,
15.5556

■ 13.6273, 7.6893,
1.8898

■ 23.0334, 21.4589,
20.5704

■ 13.1934, 7.0463,
1.0523

■ 25.9750, 25.7531,
26.4498

■ 12.9701, 6.7179,
0.6131

■ 29.3644, 30.6984,
33.2320

■ 33.2192, 36.3204,
40.9526

■ 37.5561, 42.6434,
49.6456

■ 42.3909, 49.6902,
59.3432

■ 47.7388, 57.4828,
70.0759

Harmonies

Analogous

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



17.3355, 12.2020, 14.3252



16.7010, 12.2020, 7.9535



14.6298, 12.2020, 4.6020

Triad

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



16.7010, 12.2020, 7.9535



7.9282, 12.2020, 6.7709



11.2474, 12.2020, 33.3054

Complementary

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



16.7010, 12.2020, 7.9535



19.5573, 25.8544, 33.6653

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.



9.0164, 12.2020, 29.0350



16.7010, 12.2020, 7.9535



7.2902, 12.2020, 12.2982

Square

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



16.7010, 12.2020, 7.9535



9.5445, 12.2020, 4.1201



7.6568, 12.2020, 20.5883



13.9259, 12.2020, 30.7751

Rectangle

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



16.7010, 12.2020, 7.9535



12.8552, 12.2020, 3.6726



7.6568, 12.2020, 20.5883



10.4249, 12.2020, 32.5854

Sweetspot

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



16.7013, 12.2026, 7.9537



43.6912, 42.3080, 42.3730



21.0651, 13.8400, 31.2668



9.7015, 9.2818, 9.1732



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7013, 12.2026, 7.9537



26.7098, 17.4794, 8.5535



20.0900, 18.9800, 9.0833



6.2149, 6.2348, 6.4817



10.8770, 5.6364, 0.5147



0.1641, 0.0872, 0.0082

Inverse Universe

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



19.5573, 25.8544, 33.6653



32.3414, 44.4143, 59.3019



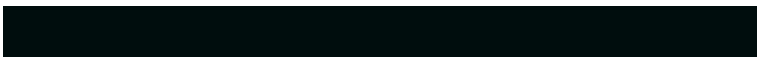
14.3967, 15.5331, 31.9450



6.3778, 7.0129, 7.9465



13.9043, 20.2053, 28.0749



0.2097, 0.3058, 0.4203

Previews

White Background



This preview shows how the XYZ color 16.7010, 12.2020, 7.9535 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 16.7010, 12.2020, 7.9535 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 16.7010, 12.2020, 7.9535

Background



This preview shows how black text looks on a background with the XYZ color 16.7010, 12.2020, 7.9535.



This preview shows how white text looks on a background with the XYZ color 16.7010, 12.2020,

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

16.7010, 12.2020, 7.9535

Protanopia

11.6009, 12.2748, 10.3522

Deuteranopia

12.4762, 12.2422, 7.6667



Tritanopia

16.8090, 12.1375, 8.8540

Trichromacy



Original Color

16.7010, 12.2020, 7.9535

Protanomaly

13.0265, 11.9714, 9.4087

Deuteranomaly

13.7838, 12.0301, 7.7264

Tritanomaly

16.7372, 12.1088, 8.4763

Monochromacy



Original Color

16.7010, 12.2020, 7.9535

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9305, 11.8851, 11.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7010, 12.2020, 7.9535 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(152, 75, 74)` looks like.

```
.text, #text, p{  
    color:rgb(152, 75, 74)  
}
```

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(152, 75, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 75, 74) }
```

Border

The CSS property to change the border of an element to XYZ 16.7010, 12.2020, 7.9535 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(152, 75, 74) }
```


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

```
.border{ border-color:rgb(152, 75, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 75, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 75, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 75, 74);  
box-shadow:4px 4px 4px 4px rgb(152, 75,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7010, 12.2020, 7.9535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 75, 74) }
```

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

```
.background{ background-color: rgb(152, 75,  
74) }
```

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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