

Converting Colors

XYZ(21.7100, 14.7748, 6.0744)

Have a look what the booklet for
XYZ(21.7100, 14.7748, 6.0744)
contains.

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Color

**XYZ(21.6512, 14.6995,
6.1110)**

Conversions

Conversions Part 1

Format	Color
Hex	B24A3D
RGB	178, 74, 61
RGB Percent	70%, 29%, 24%
CMY	0.3020, 0.7098, 0.7608
CMYK	0.00, 0.58, 0.66, 0.30
HSL	7°, 49%, 47%
HSV	7°, 66%, 70%
XYZ	21.6512, 14.6995, 6.1110
YIQ	103.6140, 66.1570, 18.0050

Conversions

Conversions Part 2

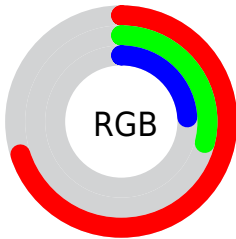
Format	Color
RYB	178, 76, 61
Decimal	11684413
CIELab	45.22, 41.49, 28.98
CIELCh	45, 50.604, 34.934
Yxy	14.6995, 0.5099, 0.3462
Android (android.graphics.Color)	4289874493 (0xFFB24A3D)
YUV	103.6140, -21.0087, 65.2365
Hunter-Lab	38.3399, 33.7071, 17.3877

Details

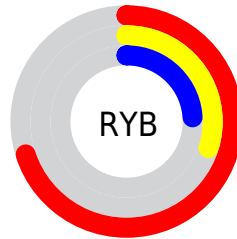
The XYZ color **21.6512, 14.6995, 6.1110** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.4143, 31.1143, 46.8908**, and the grayscale version is **13.0975, 13.7796, 15.0060**.

A 20% lighter version of the original color is **45.4811, 34.2030, 18.6727**, and **7.9671, 4.4659, 1.0144** is the 20% darker color. If you saturate the color by 10%, you get **20.3222, 12.6857, 3.6823**, and if you desaturate by 10%, it is **23.4057, 17.3099, 9.4667**.

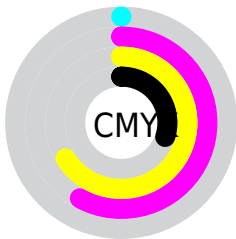
Distribution



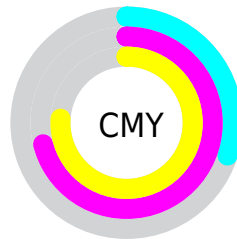
- Red (70%)
- Green (29%)
- Blue (24%)



- Red (70%)
- Yellow (30%)
- Blue (24%)



- Cyan (0%)
- Magenta (58%)
- Yellow (66%)
- Black (30%)





- Cyan (30%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6512, 14.6995, 6.1110 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 21.6512, 14.6995, 6.1110 by changing the saturation by 10% instead.


 21.6512, 14.6995,
6.1110


 21.6512, 14.6995,
6.1110


253.3860,
221.5401, 169.3981


 13.7160, 8.6088,
2.8428


 45.6520, 34.3251,
18.6425


 8.0038, 4.4869,
1.0149

 62.4483, 48.6288,
28.7429

 4.1492, 1.9495,
0.0000

 82.9290, 66.4390,
41.9577

 1.7869, 0.5779,
0.0000

 107.4594, 88.1400,
58.7056

 0.5097, 0.0000,
0.0000

 136.4050,
114.1162, 79.4050

 0.0000, 0.0000,
0.0000

 170.1311,

144.7520, 104.4746

209.0030,
180.4318, 134.3328

■ 21.6512, 14.6995,
6.1110

■ 21.6512, 14.6995,
6.1110

■ 20.3222, 12.6857,
3.6823

■ 23.4057, 17.3099,
9.4667

■ 19.3808, 11.2187,
2.0865

■ 25.6170, 20.5565,
13.8295

■ 18.7832, 10.2447,
1.2057

■ 28.3148, 24.4783,
19.2718

■ 18.6064, 9.9578,
0.9414

■ 31.5258, 29.1107,
25.8591

■ 35.2748, 34.4864,
33.6517

■ 39.5850, 40.6361,
42.7055

■ 44.4783, 47.5888,
53.0732

■ 49.9753, 55.3720,
64.8042

■ 56.0957, 64.0119,
77.9455

Harmonies

Analogous

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



23.6070, 14.6995, 14.1058



21.6512, 14.6995, 6.1110



17.6609, 14.6995, 2.8979

Triad

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



21.6512, 14.6995, 6.1110



7.8821, 14.6995, 8.0995



14.6743, 14.6995, 51.6385

Complementary

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



21.6512, 14.6995, 6.1110



23.4143, 31.1143, 46.8908

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.



10.8353, 14.6995, 47.2234



21.6512, 14.6995, 6.1110



7.3959, 14.6995, 18.0680

Square

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



21.6512, 14.6995, 6.1110



9.8556, 14.6995, 3.5789



8.3636, 14.6995, 33.1374



19.0982, 14.6995, 43.2662

Rectangle

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



21.6512, 14.6995, 6.1110



14.6932, 14.6995, 2.2824



8.3636, 14.6995, 33.1374



13.2737, 14.6995, 51.6284

Sweetspot

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



21.6515, 14.7003, 6.1112



60.7067, 57.8681, 54.2240



26.9392, 15.5667, 37.8055



13.0371, 12.2289, 11.1571



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.6515, 14.7003, 6.1112



35.9785, 21.6533, 5.1592



27.3455, 26.0882, 8.0092



8.5699, 8.6523, 8.8709



13.3374, 7.1735, 0.6817



0.4441, 0.2746, 0.0296

Inverse Universe

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



23.4143, 31.1143, 46.8908



39.2877, 53.3981, 84.6174



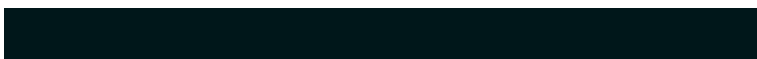
15.3019, 14.8895, 44.1867



8.6604, 9.4670, 10.8772



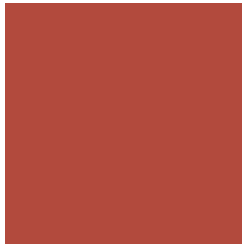
14.5528, 19.9059, 33.2122



0.4807, 0.6719, 1.0526

Previews

White Background



This preview shows how the XYZ color 21.6512, 14.6995, 6.1110 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 21.6512, 14.6995, 6.1110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

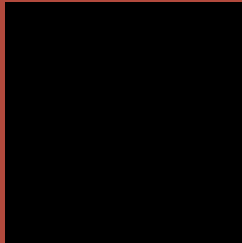
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6512, 14.6995, 6.1110

Background



This preview shows how black text looks on a background with the XYZ color 21.6512, 14.6995, 6.1110.



This preview shows how white text looks on a background with the XYZ color 21.6512, 14.6995,

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

21.6512, 14.6995, 6.1110

Protanopia

13.9347, 15.0014, 8.6397

Deuteranopia

15.0798, 14.8916, 5.8209



Tritanopia

22.2123, 14.7402, 8.5119

Trichromacy



Original Color

21.6512, 14.6995, 6.1110

Protanomaly

15.9045, 14.2844, 7.5491

Deuteranomaly

16.9853, 14.3493, 5.8775

Tritanomaly

22.1103, 14.8037, 7.6533

Monochromacy



Original Color

21.6512, 14.6995, 6.1110

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.0359, 13.3586, 11.0185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6512, 14.6995, 6.1110 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(178, 74, 61)` looks like.

```
.text, #text, p{  
    color:rgb(178, 74, 61)  
}
```

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(178, 74, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 74, 61) }
```

Border

The CSS property to change the border of an element to XYZ 21.6512, 14.6995, 6.1110 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(178, 74, 61) }
```


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

```
.border{ border-color:rgb(178, 74, 61) }
```

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

Here you see how a box with a 4 pixel rgb(178, 74, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 74, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 74, 61);  
box-shadow:4px 4px 4px 4px rgb(178, 74,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6512, 14.6995, 6.1110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 74, 61) }
```

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

```
.background{ background-color: rgb(178, 74,  
61) }
```

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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