

Converting Colors

XYZ(22.0412, 17.0332, 6.4973)

Have a look what the booklet for
XYZ(22.0412, 17.0332, 6.4973)
contains.

XYZ(21.9902, 17.0499, 6.5468)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9902, 17.0499,
6.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	AD5D3D
RGB	173, 93, 61
RGB Percent	68%, 36%, 24%
CMY	0.3216, 0.6353, 0.7608
CMYK	0.00, 0.46, 0.65, 0.32
HSL	17°, 48%, 46%
HSV	17°, 65%, 68%
XYZ	21.9902, 17.0499, 6.5468
YIQ	113.2720, 57.9520, 7.0080

Conversions

Conversions Part 2

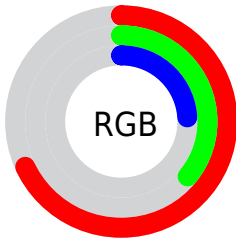
Format	Color
RYB	173, 106, 61
Decimal	11361597
CIELab	48.32, 29.70, 32.55
CIElCh	48, 44.060, 47.624
Yxy	17.0499, 0.4824, 0.3740
Android (android.graphics.Color)	4289551677 (0xFFAD5D3D)
YUV	113.2720, -25.7701, 52.3815
Hunter-Lab	41.2915, 22.8017, 19.5036

Details

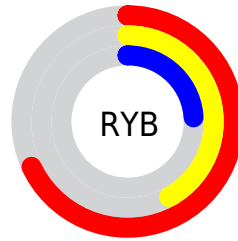
The XYZ color **21.9902, 17.0499, 6.5468** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.9913, 23.0573, 42.9843**, and the grayscale version is **15.8395, 16.6644, 18.1475**.

A 20% lighter version of the original color is **46.0123, 38.2064, 19.4175**, and **8.2344, 5.6272, 1.1424** is the 20% darker color. If you saturate the color by 10%, you get **20.5989, 14.8967, 4.1432**, and if you desaturate by 10%, it is **23.7079, 19.6156, 9.8010**.

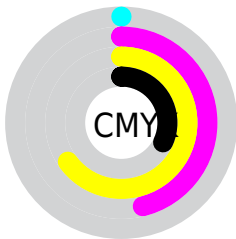
Distribution



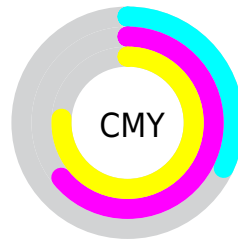
- Red (68%)
- Green (36%)
- Blue (24%)



- Red (68%)
- Yellow (42%)
- Blue (24%)



- Cyan (0%)
- Magenta (46%)
- Yellow (65%)
- Black (32%)





- Cyan (32%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9902, 17.0499, 6.5468 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 21.9902, 17.0499, 6.5468 by changing the saturation by 10% instead.


 21.9902, 17.0499,
6.5468


 21.9902, 17.0499,
6.5468


255.1284,
235.4598, 173.3285

 13.9663, 10.2701,
3.1062


 46.2088, 38.4116,
19.5526


 8.1787, 5.5784,
1.1491


 63.1341, 53.7622,
29.9549

 4.2623, 2.5905,
0.0000

 83.7573, 72.7385,
43.5149

 1.8516, 0.9219,
0.0000

 108.4437, 95.7249,
60.6511

 0.5485, 0.0000,
0.0000

 137.5587,
123.1059, 81.7820

 0.0000, 0.0000,
0.0000

 171.4675,

155.2658, 107.3261

210.5357,
192.5889, 137.7021

■ 21.9902, 17.0499,
6.5468

■ 21.9902, 17.0499,
6.5468

■ 20.5989, 14.8967,
4.1432

■ 23.7079, 19.6156,
9.8010

■ 19.5093, 13.1303,
2.5071

■ 25.7717, 22.6120,
13.9764

■ 18.6944, 11.7263,
1.5395

■ 28.2010, 26.0593,
19.1371

■ 18.3501, 11.1175,
1.1787

■ 31.0134, 29.9757,
25.3411

■ 34.2252, 34.3784,
32.6420

■ 37.8518, 39.2835,
41.0896

■ 41.9077, 44.7065,
50.7308

■ 46.4068, 50.6623,
61.6097

■ 51.3622, 57.1650,
73.7683

Harmonies

Analogous

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



24.7402, 17.0499, 12.6387



21.9902, 17.0499, 6.5468



17.9183, 17.0499, 4.2542

Triad

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



21.9902, 17.0499, 6.5468



9.7698, 17.0499, 14.2147



18.6590, 17.0499, 48.6447

Complementary

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



21.9902, 17.0499, 6.5468



18.9913, 23.0573, 42.9843

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.



14.6054, 17.0499, 49.6483



21.9902, 17.0499, 6.5468



9.9011, 17.0499, 26.1019

Square

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



21.9902, 17.0499, 6.5468



11.1418, 17.0499, 7.2883



11.5361, 17.0499, 40.1768



22.6091, 17.0499, 37.8269

Rectangle

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



21.9902, 17.0499, 6.5468



15.2018, 17.0499, 4.1360



11.5361, 17.0499, 40.1768



17.2522, 17.0499, 50.2645

Sweetspot

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



21.9906, 17.0508, 6.5471



58.5639, 57.8393, 52.2056



23.7298, 14.1528, 26.7844



12.3853, 12.1004, 10.5704



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.9906, 17.0508, 6.5471



35.9252, 25.1331, 5.9043



28.7810, 30.6316, 8.8106



8.1847, 8.3742, 8.3984



13.5243, 8.2540, 0.8804



0.4234, 0.3239, 0.0402

Inverse Universe

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



18.9913, 23.0573, 42.9843



30.0034, 36.4858, 76.2669



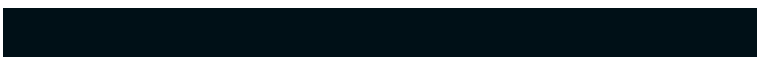
12.7369, 10.5484, 40.8995



8.0400, 8.6794, 10.2042



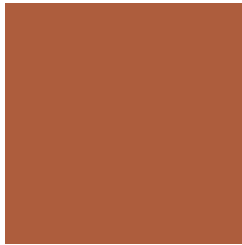
10.8468, 12.8275, 30.9488



0.3453, 0.4440, 0.8755

Previews

White Background



This preview shows how the XYZ color 21.9902, 17.0499, 6.5468 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 21.9902, 17.0499, 6.5468 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 21.9902, 17.0499, 6.5468

Background



This preview shows how black text looks on a background with the XYZ color 21.9902, 17.0499, 6.5468.



This preview shows how white text looks on a background with the XYZ color 21.9902, 17.0499,

6.5468.

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

21.9902, 17.0499, 6.5468

Protanopia

15.8091, 17.1268, 8.1028

Deuteranopia

17.4698, 17.1981, 6.2697



Tritanopia

23.3171, 17.0849, 12.8952

Trichromacy



Original Color

21.9902, 17.0499, 6.5468

Protanomaly

17.5688, 16.7484, 7.4610

Deuteranomaly

18.8509, 16.9784, 6.2866

Tritanomaly

22.6731, 16.9355, 10.2575

Monochromacy



Original Color

21.9902, 17.0499, 6.5468

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.1661, 16.2671, 12.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9902, 17.0499, 6.5468 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(173, 93, 61)` looks like.

```
.text, #text, p{  
    color:rgb(173, 93, 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(173, 93, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 93, 61) }
```

Border

The CSS property to change the border of an element to XYZ 21.9902, 17.0499, 6.5468 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(173, 93, 61) }
```


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

```
.border{ border-color:rgb(173, 93, 61) }
```

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

Here you see how a box with a 4 pixel rgb(173, 93, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 93, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 93, 61);  
box-shadow:4px 4px 4px 4px rgb(173, 93,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9902, 17.0499, 6.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 93, 61) }
```

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

```
.background{ background-color: rgb(173, 93,  
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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