

Converting Colors

XYZ(22.6721, 17.5850, 12.8517)

Have a look what the booklet for
XYZ(22.6721, 17.5850, 12.8517)
contains.

XYZ(22.6902, 17.5386, 12.7791)	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(22.6902, 17.5386,
12.7791)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5F5E
RGB	170, 95, 94
RGB Percent	67%, 37%, 37%
CMY	0.3333, 0.6274, 0.6314
CMYK	0.00, 0.44, 0.45, 0.33
HSL	1°, 31%, 52%
HSV	1°, 45%, 67%
XYZ	22.6902, 17.5386, 12.7791
YIQ	117.3110, 45.0210, 15.5890

Conversions

Conversions Part 2

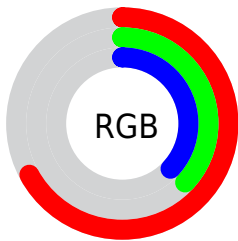
Format	Color
R_{YB}	170, 95, 94
Decimal	11165534
CIE _{Lab}	48.93, 30.29, 14.03
CIE _{LCh}	49, 33.386, 24.849
Yxy	17.5386, 0.4281, 0.3309
Android (android.graphics.Color)	4289355614 (0xFFAA5F5E)
YUV	117.3110, -11.4923, 46.2083
Hunter-Lab	41.8791, 23.4233, 11.2235

Details

The XYZ color **22.6902, 17.5386, 12.7791** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.0592, 33.6566, 43.1532**, and the grayscale version is **17.0302, 17.9171, 19.5118**.

A 20% lighter version of the original color is **47.4627, 39.3750, 31.4841**, and **8.5807, 5.8122, 3.4659** is the 20% darker color. If you saturate the color by 10%, you get **20.6579, 14.5633, 8.7436**, and if you desaturate by 10%, it is **25.2168, 21.2337, 17.8086**.

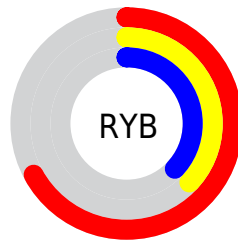
Distribution



Red (67%)

Green (37%)

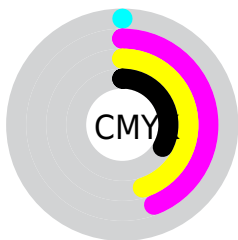
Blue (37%)



Red (67%)

Yellow (37%)

Blue (37%)

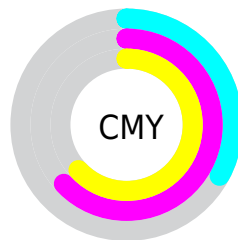


Cyan (0%)

Magenta (44%)

Yellow (45%)

Black (33%)



Cyan (33%)


Magenta (63%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6902, 17.5386, 12.7791 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 22.6902, 17.5386, 12.7791 by changing the saturation by 10% instead.


 22.6902, 17.5386,
12.7791


 22.6902, 17.5386,
12.7791


258.6949,
238.2573, 220.6549


 14.4844, 10.6192,
7.1477


 47.3545, 39.2495,
31.5917


 8.5423, 5.8114,
3.4748


 64.5438, 54.8099,
45.6100

 4.4985, 2.7308,
1.3419

 85.4581, 74.0194,
63.2609

 1.9879, 0.9928,
0.0957

 110.4630, 97.2623,
84.9631

 0.6271, 0.0000,
0.0000

139.9238,
124.9232, 111.1350

 0.0000, 0.0000,
0.0000

174.2058,

157.3864, 142.1953

213.6744,
195.0363, 178.5624

■ 22.6902, 17.5386,
12.7791

■ 22.6902, 17.5386,
12.7791

■ 20.6579, 14.5633,
8.7436

■ 25.2168, 21.2337,
17.8086

■ 19.0863, 12.2584,
5.6352

■ 28.2658, 25.6883,
23.8910

■ 17.9398, 10.5728,
3.3808


■ 31.8646, 30.9426,
31.0815


■ 17.1770, 9.4465,
1.8954


■ 36.0384, 37.0330,
39.4315


■ 16.7480, 8.8081,
1.0759

■ 40.8109, 43.9938,
48.9891

 16.6020, 8.5948,
0.7839

 46.2043, 51.8572,
59.7994

 52.2399, 60.6541,
71.9056

 58.9378, 70.4135,
85.3485

 66.3172, 81.1635,
100.1674

Harmonies

Analogous

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



23.3452, 17.5386, 20.6717



22.6902, 17.5386, 12.7791



20.3457, 17.5386, 8.2567

Triad

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



22.6902, 17.5386, 12.7791



12.2525, 17.5386, 10.8525



16.1401, 17.5386, 41.6667

Complementary

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



22.6902, 17.5386, 12.7791



26.0592, 33.6566, 43.1532

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.



13.4659, 17.5386, 36.7488



22.6902, 17.5386, 12.7791



11.4064, 17.5386, 17.6035

Square

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



22.6902, 17.5386, 12.7791



14.2866, 17.5386, 7.4104



11.8215, 17.5386, 27.2135



19.3046, 17.5386, 39.1732

Rectangle

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



22.6902, 17.5386, 12.7791



18.2782, 17.5386, 6.8971



11.8215, 17.5386, 27.2135



15.1589, 17.5386, 40.7900

Sweetspot

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



22.6906, 17.5395, 12.7794



58.8614, 57.6694, 58.4866



27.8361, 19.4539, 40.3182



12.7851, 12.3624, 12.3605



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.



22.6906, 17.5395, 12.7794



37.3925, 26.2932, 15.6879



26.8494, 25.8569, 14.1657



7.5388, 7.5576, 7.8507



12.2159, 6.3290, 0.5778



0.2996, 0.1588, 0.0149

Inverse Universe

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



26.0592, 33.6566, 43.1532



44.3136, 59.4208, 78.1357



20.1232, 21.7847, 41.1746



7.7389, 8.5148, 9.6540



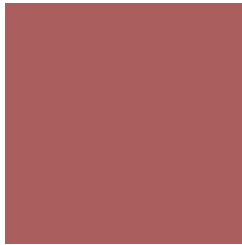
15.6081, 22.6763, 31.5298



0.3823, 0.5569, 0.7680

Previews

White Background



This preview shows how the XYZ color 22.6902, 17.5386, 12.7791 looks on a white background.

Color Contrast Check

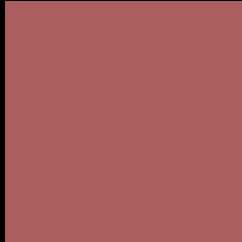
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6902, 17.5386, 12.7791 looks on a black 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

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

XYZ 22.6902, 17.5386, 12.7791

Background



This preview shows how black text looks on a background with the XYZ color 22.6902, 17.5386, 12.7791.

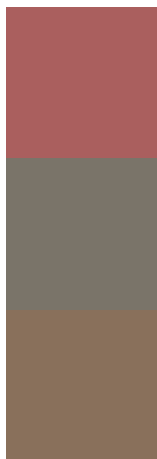


This preview shows how white text looks on a background with the XYZ color 22.6902, 17.5386,

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

22.6902, 17.5386, 12.7791

Protanopia

16.8212, 17.6483, 15.8845

Deuteranopia

17.9990, 17.6620, 12.3580



Tritanopia

23.1463, 17.6029, 14.4897

Trichromacy



Original Color

22.6902, 17.5386, 12.7791

Protanomaly

18.3590, 17.1537, 14.6553

Deuteranomaly

19.4802, 17.4703, 12.4706

Tritanomaly

23.0019, 17.5452, 13.7295

Monochromacy



Original Color

22.6902, 17.5386, 12.7791

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.3823, 17.2756, 16.8337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6902, 17.5386, 12.7791 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(170, 95, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 95, 94)  
}
```

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(170, 95, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 95, 94) }
```

Border

The CSS property to change the border of an element to XYZ 22.6902, 17.5386, 12.7791 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(170, 95, 94) }
```


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

```
.border{ border-color:rgb(170, 95, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 95, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 95, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 95, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 95,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6902, 17.5386, 12.7791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 95, 94) }
```

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

```
.background{ background-color: rgb(170, 95,  
94) }
```

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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