

Converting Colors

XYZ(17.5968, 17.4887, 9.9368)

Have a look what the booklet for
XYZ(17.5968, 17.4887, 9.9368)
contains.

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Color

**XYZ(17.5220, 17.4712,
9.8459)**

Conversions

Conversions Part 1

Format	Color
Hex	89704F
RGB	137, 112, 79
RGB Percent	54%, 44%, 31%
CMY	0.4627, 0.5608, 0.6902
CMYK	0.00, 0.18, 0.42, 0.46
HSL	34°, 27%, 42%
HSV	34°, 42%, 54%
XYZ	17.5220, 17.4712, 9.8459
YIQ	115.7130, 25.4930, -4.9630

Conversions

Conversions Part 2

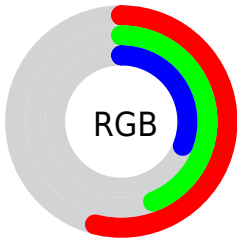
Format	Color
R_{YB}	123, 137, 79
Decimal	9007183
CIE _{Lab}	48.85, 5.05, 22.04
CIE _{LCh}	49, 22.609, 77.097
Yxy	17.4712, 0.3908, 0.3896
Android (android.graphics.Color)	4287197263 (0xFF89704F)
YUV	115.7130, -18.0995, 18.6687
Hunter-Lab	41.7986, 1.6799, 15.2929

Details

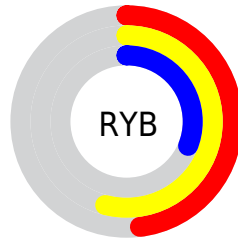
The XYZ color **17.5220, 17.4712, 9.8459** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.6900, 13.3686, 25.5785**, and the grayscale version is **16.5611, 17.4236, 18.9743**.

A 20% lighter version of the original color is **38.9761, 39.3424, 26.3085**, and **5.9599, 5.7607, 2.3112** is the 20% darker color. If you saturate the color by 10%, you get **16.4437, 16.0320, 7.2747**, and if you desaturate by 10%, it is **18.7467, 19.0386, 12.9734**.

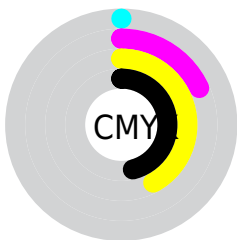
Distribution



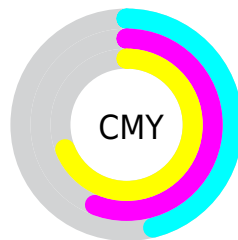
- Red (54%)
- Green (44%)
- Blue (31%)



- Red (48%)
- Yellow (54%)
- Blue (31%)



- Cyan (0%)
- Magenta (18%)
- Yellow (42%)
- Black (46%)



- Cyan (46%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5220, 17.4712, 9.8459 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 17.5220, 17.4712, 9.8459 by changing the saturation by 10% instead.

■ 17.5220, 17.4712,
9.8459

■ 17.5220, 17.4712,
9.8459

231.2609,
237.8733, 200.0134

■ 10.7050, 10.5710,
5.1926

■ 38.7576, 39.1342,
26.1085

■ 5.9346, 5.7792,
2.3000

■ 53.9069, 54.6658,
38.5549

■ 2.8457, 2.7113,
0.7312

■ 72.5643, 73.8432,
54.4362

■ 1.0727, 0.9829,
0.0000

■ 95.0953, 97.0511,
74.1708

■ 0.0021, 0.0000,
0.0000

■ 121.8650,
124.6736, 98.1772

■ 0.0000, 0.0000,
0.0000

153.2390,

157.0952, 126.8741

189.5825,
194.7003, 160.6800

■ 17.5220, 17.4712,
9.8459

■ 17.5220, 17.4712,
9.8459

■ 16.4437, 16.0320,
7.2747

■ 18.7467, 19.0386,
12.9734

■ 15.5033, 14.7144,
5.2250

■ 20.1232, 20.7357,
16.6871

■ 14.6934, 13.5148,
3.6596

■ 21.6579, 22.5670,
21.0159

■ 14.0050, 12.4281,
2.5359

■ 23.3567, 24.5359,
25.9865

■ 13.4278, 11.4488,
1.8038

■ 25.2251, 26.6460,
31.6241

■ 13.0378, 10.7608,
1.3899

■ 27.2681, 28.9003,
37.9524

■ 29.4909, 31.3019,
44.9941

■ 31.8980, 33.8539,
52.7707

■ 34.4941, 36.5592,
61.3029

Harmonies

Analogous

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



19.5028, 17.4712, 11.7602



17.5220, 17.4712, 9.8459



15.4492, 17.4712, 9.9875

Triad

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



17.5220, 17.4712, 9.8459



13.0445, 17.4712, 22.6216



19.7358, 17.4712, 28.0104

Complementary

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



17.5220, 17.4712, 9.8459



12.6900, 13.3686, 25.5785

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.



17.8189, 17.4712, 32.3226



17.5220, 17.4712, 9.8459



14.0110, 17.4712, 28.7904

Square

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



17.5220, 17.4712, 9.8459



12.9796, 17.4712, 16.5608



15.7222, 17.4712, 32.6349



20.8514, 17.4712, 21.7182

Rectangle

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



17.5220, 17.4712, 9.8459



14.2920, 17.4712, 11.2233



15.7222, 17.4712, 32.6349



19.1568, 17.4712, 29.7923

Sweetspot

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



17.5224, 17.4720, 9.8463



38.5112, 40.0906, 36.8489



15.6181, 11.9127, 14.6086



8.5134, 8.8450, 7.9098



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.5224, 17.4720, 9.8463



29.4855, 28.7622, 13.1144



20.0510, 23.4533, 10.8675



5.2535, 5.4899, 5.3352



12.1566, 10.0477, 1.2987



0.0953, 0.0959, 0.0135

Inverse Universe

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



12.6900, 13.3686, 25.5785



19.6109, 20.3844, 45.2842



10.8670, 9.2313, 24.8760



4.9404, 5.2236, 6.3537



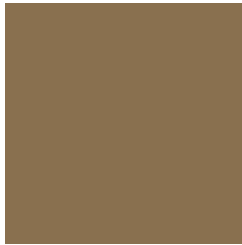
5.6765, 4.6234, 22.6389



0.0518, 0.0589, 0.1551

Previews

White Background



This preview shows how the XYZ color 17.5220, 17.4712, 9.8459 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 17.5220, 17.4712, 9.8459 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 17.5220, 17.4712, 9.8459

Background



This preview shows how black text looks on a background with the XYZ color 17.5220, 17.4712, 9.8459.



This preview shows how white text looks on a background with the XYZ color 17.5220, 17.4712,

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

17.5220, 17.4712, 9.8459

Protanopia

16.3348, 17.5205, 10.3054

Deuteranopia

17.7432, 17.4224, 9.8248



Tritanopia

19.3946, 17.4391, 18.8669

Trichromacy



Original Color

17.5220, 17.4712, 9.8459

Protanomaly

16.7846, 17.5865, 10.0993

Deuteranomaly

17.5770, 17.3367, 9.8170

Tritanomaly

18.7320, 17.4920, 15.2210

Monochromacy



Original Color

17.5220, 17.4712, 9.8459

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.8911, 17.5258, 15.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5220, 17.4712, 9.8459 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(137, 112, 79)` looks like.

```
.text, #text, p{  
    color:rgb(137, 112, 79)  
}
```

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(137, 112, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 112, 79) }
```

Border

The CSS property to change the border of an element to XYZ 17.5220, 17.4712, 9.8459 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(137, 112, 79) }
```


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

```
.border{ border-color:rgb(137, 112, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 112, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 112, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 112, 79);  
box-shadow:4px 4px 4px 4px rgb(137, 112,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5220, 17.4712, 9.8459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 112, 79) }
```

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

```
.background{ background-color: rgb(137,  
112, 79) }
```

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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