

Converting Colors

XYZ(20.7536, 17.7962, 12.3981)

Have a look what the booklet for
XYZ(20.7536, 17.7962, 12.3981)
contains.

XYZ(20.7867, 17.8414, 12.4734)	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(20.7867, 17.8414,
12.4734)**

Conversions

Conversions Part 1

Format	Color
Hex	9D685C
RGB	157, 104, 92
RGB Percent	62%, 41%, 36%
CMY	0.3843, 0.5921, 0.6392
CMYK	0.00, 0.34, 0.41, 0.38
HSL	11°, 26%, 49%
HSV	11°, 41%, 62%
XYZ	20.7867, 17.8414, 12.4734
YIQ	118.4790, 35.4400, 7.5040

Conversions

Conversions Part 2

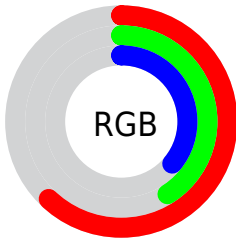
Format	Color
R_{YB}	157, 107, 92
Decimal	10315868
CIE _{Lab}	49.30, 19.77, 15.46
CIE _{LCh}	49, 25.092, 38.028
Yxy	17.8414, 0.4068, 0.3491
Android (android.graphics.Color)	4288505948 (0xFF9D685C)
YUV	118.4790, -13.0541, 33.7829
Hunter-Lab	42.2391, 13.9250, 12.0587

Details

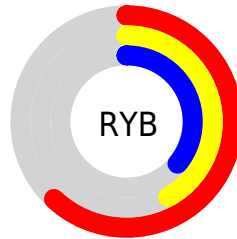
The XYZ color **20.7867, 17.8414, 12.4734** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.6245, 24.9595, 35.6289**, and the grayscale version is **17.4026, 18.3089, 19.9383**.

A 20% lighter version of the original color is **44.2115, 39.8761, 30.9578**, and **7.5008, 5.9092, 3.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9781, 15.2111, 8.8283**, and if you desaturate by 10%, it is **22.9341, 20.9216, 16.9336**.

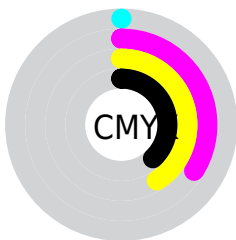
Distribution



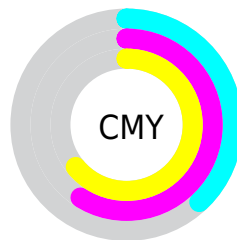
- Red (62%)
- Green (41%)
- Blue (36%)



- Red (62%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (41%)
- Black (38%)



- Cyan (38%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7867, 17.8414, 12.4734 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 20.7867, 17.8414, 12.4734 by changing the saturation by 10% instead.

■ 20.7867, 17.8414,
12.4734

■ 20.7867, 17.8414,
12.4734

248.8960,
239.9756, 218.6026

■ 13.0797, 10.8362,
6.9405

■ 44.2262, 39.7669,
31.0316

■ 7.5609, 5.9568,
3.3470

■ 60.6895, 55.4559,
44.8940

■ 3.8647, 2.8188,
1.2744

■ 80.8023, 74.8084,
62.3700

■ 1.6259, 1.0379,
0.0407

■ 104.9299, 98.2087,
83.8781

■ 0.4092, 0.0000,
0.0000

133.4377,
126.0411, 109.8369

■ 0.0000, 0.0000,
0.0000

166.6911,

158.6902, 140.6649

205.0554,
196.5402, 176.7806

■ 20.7867, 17.8414,
12.4734

■ 20.7867, 17.8414,
12.4734

■ 18.9781, 15.2111,
8.8283

■ 22.9341, 20.9216,
16.9336

■ 17.4893, 13.0069,
5.9475

■ 25.4352, 24.4688,
22.2531

■ 16.3014, 11.2069,
3.7766

■ 28.3058, 28.5023,
28.4744

■ 15.3929, 9.7859,
2.2530

■ 31.5601, 33.0396,
35.6367

■ 14.7393, 8.7161,
1.3035

■ 35.2119, 38.0975,
43.7769

■ 14.3438, 8.0465,
0.7971

■ 39.2739, 43.6918,
52.9299

■ 43.7585, 49.8376,
63.1290

■ 48.6775, 56.5495,
74.4058

■ 54.0422, 63.8416,
86.7908

Harmonies

Analogous

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



21.8563, 17.8414, 17.6684



20.7867, 17.8414, 12.4734



18.7118, 17.8414, 9.6995

Triad

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



20.7867, 17.8414, 12.4734



13.0902, 17.8414, 14.9607



17.5989, 17.8414, 35.3336

Complementary

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



20.7867, 17.8414, 12.4734



20.6245, 24.9595, 35.6289

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.



15.3169, 17.8414, 34.1314



20.7867, 17.8414, 12.4734



12.8519, 17.8414, 21.2970

Square

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



20.7867, 17.8414, 12.4734



14.3146, 17.8414, 10.8864



13.6304, 17.8414, 28.5760



19.9077, 17.8414, 31.5580

Rectangle

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



20.7867, 17.8414, 12.4734



17.1143, 17.8414, 9.1225



13.6304, 17.8414, 28.5760



16.8021, 17.8414, 35.5120

Sweetspot

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



20.7872, 17.8423, 12.4737



50.2402, 50.4110, 50.0064



22.8491, 16.8695, 28.8737



10.9157, 10.8974, 10.6999



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7872, 17.8423, 12.4737



34.1176, 27.4316, 16.0670



24.6994, 25.6668, 13.7778



6.7273, 6.8345, 6.9503



11.6707, 6.5771, 0.6544



0.2326, 0.1654, 0.0197

Inverse Universe

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



20.6245, 24.9595, 35.6289



33.7619, 41.9510, 63.4447



16.3584, 16.4273, 34.2069



6.7176, 7.3011, 8.4619



11.2378, 14.5672, 28.1267



0.2257, 0.3100, 0.5112

Previews

White Background



This preview shows how the XYZ color 20.7867, 17.8414, 12.4734 looks on a white background.

Color Contrast Check

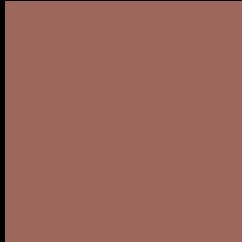
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7867, 17.8414, 12.4734 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 20.7867, 17.8414, 12.4734

Background



This preview shows how black text looks on a background with the XYZ color 20.7867, 17.8414, 12.4734.



This preview shows how white text looks on a background with the XYZ color 20.7867, 17.8414,

12.4734.

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

20.7867, 17.8414, 12.4734

Protanopia

16.8781, 17.8895, 14.1187

Deuteranopia

18.2318, 17.9517, 12.1770



Tritanopia

21.8098, 17.9778, 16.7886

Trichromacy



Original Color

20.7867, 17.8414, 12.4734

Protanomaly

18.0588, 17.6671, 13.5246

Deuteranomaly

19.1413, 17.9269, 12.3489

Tritanomaly

21.3990, 17.9489, 15.1686

Monochromacy



Original Color

20.7867, 17.8414, 12.4734

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.1812, 17.8199, 16.9493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7867, 17.8414, 12.4734 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(157, 104, 92)` looks like.

```
.text, #text, p{  
    color:rgb(157, 104, 92)  
}
```

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(157, 104, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 104, 92) }
```

Border

The CSS property to change the border of an element to XYZ 20.7867, 17.8414, 12.4734 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(157, 104, 92) }
```


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

```
.border{ border-color:rgb(157, 104, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 104, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 104, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 104, 92);  
box-shadow:4px 4px 4px 4px rgb(157, 104,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7867, 17.8414, 12.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 104, 92) }
```

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

```
.background{ background-color: rgb(157,  
104, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor