

Converting Colors

XYZ(21.1987, 20.9782, 13.7523)

Have a look what the booklet for
XYZ(21.1987, 20.9782, 13.7523)
contains.

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Color

**XYZ(21.2378, 21.0412,
13.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	947A5F
RGB	148, 122, 95
RGB Percent	58%, 48%, 37%
CMY	0.4196, 0.5216, 0.6274
CMYK	0.00, 0.18, 0.36, 0.42
HSL	31°, 22%, 48%
HSV	31°, 36%, 58%
XYZ	21.2378, 21.0412, 13.7685
YIQ	126.6960, 24.1630, -2.8850

Conversions

Conversions Part 2

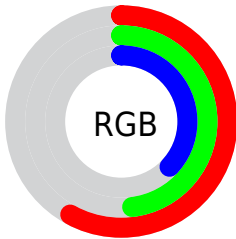
Format	Color
R_{YB}	146, 148, 95
Decimal	9730655
CIE Lab	52.99, 6.02, 18.57
CIE LCh	53, 19.521, 72.045
Yxy	21.0412, 0.3789, 0.3754
Android (android.graphics.Color)	4287920735 (0xFF947A5F)
YUV	126.6960, -15.6261, 18.6836
Hunter-Lab	45.8707, 2.3705, 14.3131

Details

The XYZ color **21.2378, 21.0412, 13.7685** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.9017, 18.2451, 30.6477**, and the grayscale version is **20.1151, 21.1626, 23.0461**.

A 20% lighter version of the original color is **44.9530, 45.0439, 33.5192**, and **7.7608, 7.4736, 3.9392** is the 20% darker color. If you saturate the color by 10%, you get **19.7698, 19.0814, 10.2696**, and if you desaturate by 10%, it is **22.9014, 23.1873, 17.9637**.

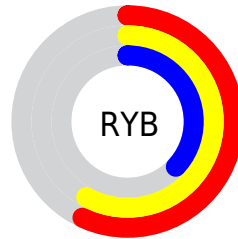
Distribution



Red (58%)

Green (48%)

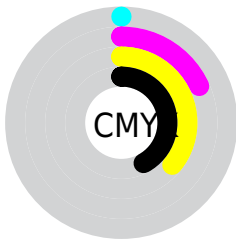
Blue (37%)



Red (57%)

Yellow (58%)

Blue (37%)

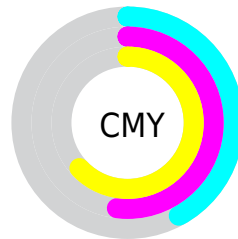


Cyan (0%)

Magenta (18%)

Yellow (36%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2378, 21.0412, 13.7685 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 21.2378, 21.0412, 13.7685 by changing the saturation by 10% instead.

■ 21.2378, 21.0412,
13.7685

■ 21.2378, 21.0412,
13.7685

251.2474,
257.4974, 227.1640

■ 13.4114, 13.1541,
7.8229

■ 44.9713, 45.1561,
33.3889

■ 7.7914, 7.5348,
3.8957

■ 61.6090, 62.1527,
47.9008

■ 4.0124, 3.7987,
1.5683

■ 81.9146, 82.9546,
66.1052

■ 1.7092, 1.5616,
0.2681

■ 106.2534,
107.9462, 88.4207

■ 0.4620, 0.3315,
0.0000

134.9907,
137.5119, 115.2658

■ 0.0000, 0.0000,
0.0000

168.4919,

172.0360, 147.0590

207.1224,
211.9031, 184.2189

■ 21.2378, 21.0412,
13.7685

■ 21.2378, 21.0412,
13.7685

■ 19.7698, 19.0814,
10.2696

■ 22.9014, 23.1873,
17.9637

■ 18.4869, 17.2991,
7.4269

■ 24.7669, 25.5223,
22.8897

■ 17.3804, 15.6891,
5.1983

■ 26.8426, 28.0523,
28.5799

■ 16.4395, 14.2449,
3.5363

■ 29.1355, 30.7823,
35.0657

■ 15.6525, 12.9589,
2.3859

■ 31.6525, 33.7170,
42.3764

■ 15.0030, 11.8221,
1.6692

■ 34.4000, 36.8610,
50.5400

■ 14.7564, 11.3833,
1.4194

■ 37.3842, 40.2189,
59.5829

■ 40.6111, 43.7948,
69.5308

■ 44.0864, 47.5928,
80.4079

Harmonies

Analogous

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



23.0685, 21.0412, 16.1564



21.2378, 21.0412, 13.7685



19.1884, 21.0412, 13.5553

Triad

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



21.2378, 21.0412, 13.7685



16.3894, 21.0412, 25.3455



22.7542, 21.0412, 32.3484

Complementary

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



21.2378, 21.0412, 13.7685



16.9017, 18.2451, 30.6477

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.



20.8322, 21.0412, 35.8059



21.2378, 21.0412, 13.7685



17.2146, 21.0412, 31.3246

Square

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



21.2378, 21.0412, 13.7685



16.4816, 21.0412, 19.6063



18.8094, 21.0412, 35.4021



23.9843, 21.0412, 26.5661

Rectangle

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



21.2378, 21.0412, 13.7685



17.9814, 21.0412, 14.6181



18.8094, 21.0412, 35.4021



22.1623, 21.0412, 33.8621

Sweetspot

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



21.2383, 21.0422, 13.7689



45.3345, 47.0389, 44.8257



19.7870, 15.8733, 20.2715



10.2485, 10.6153, 9.9587



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.2383, 21.0422, 13.7689



35.3623, 34.3183, 19.2318



24.8682, 28.3018, 14.9789



6.0304, 6.2746, 6.1337



12.6317, 9.7779, 1.2216



0.1841, 0.1786, 0.0248

Inverse Universe

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



16.9017, 18.2451, 30.6477



26.5426, 28.6304, 53.5619



14.1570, 12.7557, 29.7328



5.7203, 6.0745, 7.3407



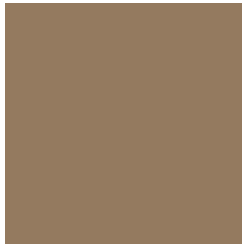
6.6053, 5.9053, 24.7227



0.1102, 0.1310, 0.3124

Previews

White Background



This preview shows how the XYZ color 21.2378, 21.0412, 13.7685 looks on a white 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

Black Background



This preview shows how the XYZ color 21.2378, 21.0412, 13.7685 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 21.2378, 21.0412, 13.7685

Background



This preview shows how black text looks on a background with the XYZ color 21.2378, 21.0412, 13.7685.



This preview shows how white text looks on a background with the XYZ color 21.2378, 21.0412,

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

21.2378, 21.0412, 13.7685

Protanopia

19.7387, 21.1927, 14.3595

Deuteranopia

21.2974, 20.8905, 13.7363



Tritanopia

23.0717, 21.0685, 22.9293

Trichromacy



Original Color

21.2378, 21.0412, 13.7685

Protanomaly

20.2602, 21.0872, 14.0687

Deuteranomaly

21.2974, 20.8905, 13.7363

Tritanomaly

22.2690, 20.9155, 19.0830

Monochromacy



Original Color

21.2378, 21.0412, 13.7685

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4198, 21.0559, 19.2076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2378, 21.0412, 13.7685 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(148, 122, 95)` looks like.

```
.text, #text, p{  
    color:rgb(148, 122, 95)  
}
```

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(148, 122, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 122, 95) }
```

Border

The CSS property to change the border of an element to XYZ 21.2378, 21.0412, 13.7685 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(148, 122, 95) }
```


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

```
.border{ border-color:rgb(148, 122, 95) }
```

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

Here you see how a box with a 4 pixel rgb(148, 122, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 122, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 122, 95);  
box-shadow:4px 4px 4px 4px rgb(148, 122,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2378, 21.0412, 13.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 122, 95) }
```

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

```
.background{ background-color: rgb(148,  
122, 95) }
```

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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