

Converting Colors

XYZ(20.9327, 17.7089, 12.8404)

Have a look what the booklet for
XYZ(20.9327, 17.7089, 12.8404)
contains.

XYZ(20.9712, 17.7777, 12.9158)	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(20.9712, 17.7777,
12.9158)**

Conversions

Conversions Part 1

Format	Color
Hex	9E675E
RGB	158, 103, 94
RGB Percent	62%, 40%, 37%
CMY	0.3804, 0.5961, 0.6314
CMYK	0.00, 0.35, 0.41, 0.38
HSL	8°, 25%, 49%
HSV	8°, 41%, 62%
XYZ	20.9712, 17.7777, 12.9158
YIQ	118.4190, 35.6690, 8.8610

Conversions

Conversions Part 2

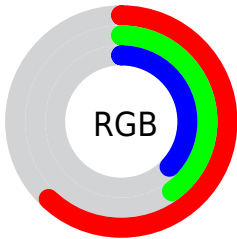
Format	Color
RYB	158, 104, 94
Decimal	10381150
CIELab	49.23, 20.99, 14.19
CIELCh	49, 25.335, 34.058
Yxy	17.7777, 0.4059, 0.3441
Android (android.graphics.Color)	4288571230 (0xFF9E675E)
YUV	118.4190, -12.0386, 34.7125
Hunter-Lab	42.1636, 14.9954, 11.3525

Details

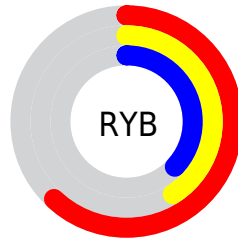
The XYZ color **20.9712, 17.7777, 12.9158** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5348, 26.3424, 36.2975**, and the grayscale version is **17.3805, 18.2857, 19.9131**.

A 20% lighter version of the original color is **44.4869, 39.7524, 31.7138**, and **7.6086, 5.8888, 3.5319** is the 20% darker color. If you saturate the color by 10%, you get **19.0909, 15.0380, 9.1420**, and if you desaturate by 10%, it is **23.2169, 21.0158, 17.5279**.

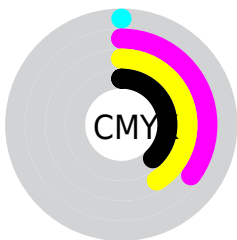
Distribution



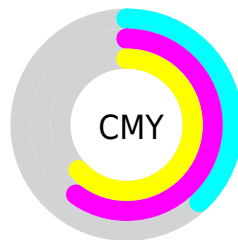
- Red (62%)
- Green (40%)
- Blue (37%)



- Red (62%)
- Yellow (41%)
- Blue (37%)



- Cyan (0%)
- Magenta (35%)
- Yellow (41%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9712, 17.7777, 12.9158 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 20.9712, 17.7777, 12.9158 by changing the saturation by 10% instead.

■ 20.9712, 17.7777,
12.9158

■ 20.9712, 17.7777,
12.9158

249.8600,
239.6151, 221.5662

■ 13.2153, 10.7905,
7.2405

■ 44.5312, 39.6582,
31.8414

■ 7.6550, 5.9261,
3.5323

■ 61.0661, 55.3202,
45.9288

■ 3.9249, 2.8002,
1.3724

■ 81.2579, 74.6427,
63.6574

■ 1.6597, 1.0283,
0.1201

■ 105.4722, 98.0100,
85.4456

■ 0.4309, 0.0000,
0.0000

134.0741,
125.8065, 111.7121

■ 0.0000, 0.0000,
0.0000

167.4292,

158.4165, 142.8753

205.9027,
196.2246, 179.3538

■ 20.9712, 17.7777,
12.9158

■ 20.9712, 17.7777,
12.9158

■ 19.0909, 15.0380,
9.1420

■ 23.2169, 21.0158,
17.5279

■ 17.5552, 12.7695,
6.1548

■ 25.8445, 24.7727,
23.0234

■ 16.3431, 10.9460,
3.8987

■ 28.8715, 29.0708,
29.4455

■ 15.4309, 9.5382,
2.3103

■ 32.3136, 33.9304,
36.8344

■ 14.7913, 8.5126,
1.3155

■ 36.1858, 39.3709,
45.2278

■ 14.3919, 7.8516,
0.7570

■ 40.5022, 45.4104,
54.6613

■ 45.2764, 52.0666,
65.1690

■ 50.5214, 59.3563,
76.7831

■ 56.2495, 67.2957,
89.5348

Harmonies

Analogous

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



21.8756, 17.7777, 18.4458



20.9712, 17.7777, 12.9158



18.9753, 17.7777, 9.8150

Triad

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



20.9712, 17.7777, 12.9158



13.1133, 17.7777, 14.1793



17.2225, 17.7777, 35.5587

Complementary

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



20.9712, 17.7777, 12.9158



21.5348, 26.3424, 36.2975

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.



14.9766, 17.7777, 33.6653



20.9712, 17.7777, 12.9158



12.7379, 17.7777, 20.2975

Square

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



20.9712, 17.7777, 12.9158



14.4659, 17.7777, 10.4155



13.3882, 17.7777, 27.6467



19.5867, 17.7777, 32.3441

Rectangle

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



20.9712, 17.7777, 12.9158



17.3745, 17.7777, 9.0427



13.3882, 17.7777, 27.6467



16.4287, 17.7777, 35.5025

Sweetspot

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



20.9717, 17.7786, 12.9161



51.4272, 51.3713, 51.3333



23.5656, 17.4596, 30.7576



11.4395, 11.3622, 11.2437



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.9717, 17.7786, 12.9161



34.8398, 27.5593, 16.9398



24.7201, 25.2754, 14.1656



6.7046, 6.7892, 6.9427



11.5448, 6.3252, 0.6124



0.2253, 0.1508, 0.0172

Inverse Universe

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



21.5348, 26.3424, 36.2975



35.9916, 45.3435, 65.5987



17.2036, 17.6801, 34.8537



6.7423, 7.3503, 8.4701



11.9900, 16.0716, 28.3774



0.2342, 0.3270, 0.5140

Previews

White Background



This preview shows how the XYZ color 20.9712, 17.7777, 12.9158 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 20.9712, 17.7777, 12.9158 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 20.9712, 17.7777, 12.9158

Background



This preview shows how black text looks on a background with the XYZ color 20.9712, 17.7777, 12.9158.

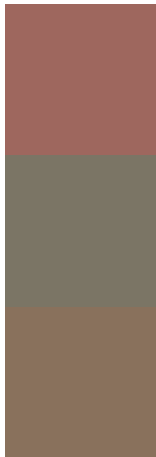


This preview shows how white text looks on a background with the XYZ color 20.9712, 17.7777,

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

20.9712, 17.7777, 12.9158

Protanopia

16.8786, 17.8731, 14.8722

Deuteranopia

18.1534, 17.9013, 12.6237



Tritanopia

21.6585, 17.7610, 16.4740

Trichromacy



Original Color

20.9712, 17.7777, 12.9158

Protanomaly

18.1521, 17.7044, 14.0158

Deuteranomaly

19.1215, 17.7473, 12.7737

Tritanomaly

21.4976, 17.8529, 15.1449

Monochromacy



Original Color

20.9712, 17.7777, 12.9158

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.3383, 17.9009, 16.9567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9712, 17.7777, 12.9158 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(158, 103, 94)` looks like.

```
.text, #text, p{  
    color:rgb(158, 103, 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(158, 103, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 103, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.9712, 17.7777, 12.9158 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(158, 103, 94) }
```


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

```
.border{ border-color:rgb(158, 103, 94) }
```

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

Here you see how a box with a 4 pixel rgb(158, 103, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 103, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 103, 94);  
box-shadow:4px 4px 4px 4px rgb(158, 103,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9712, 17.7777, 12.9158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 103, 94) }
```

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

```
.background{ background-color: rgb(158,  
103, 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](#).

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