

Converting Colors

XYZ(22.7612, 21.3587, 20.8349)

Have a look what the booklet for
XYZ(22.7612, 21.3587, 20.8349)
contains.

XYZ(22.6843, 21.2730, 20.6798)	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(22.6843, 21.2730,
20.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	967878
RGB	150, 120, 120
RGB Percent	59%, 47%, 47%
CMY	0.4118, 0.5294, 0.5294
CMYK	0.00, 0.20, 0.20, 0.41
HSL	0°, 12%, 53%
HSV	0°, 20%, 59%
XYZ	22.6843, 21.2730, 20.6798
YIQ	128.9700, 17.8800, 6.3600

Conversions

Conversions Part 2

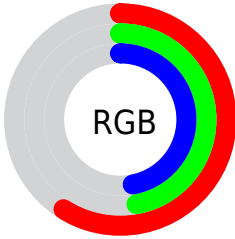
Format	Color
R_{YB}	150, 120, 120
Decimal	9861240
CIE _{Lab}	53.25, 11.67, 4.43
CIE _{LCh}	53, 12.479, 20.784
Yxy	21.2730, 0.3509, 0.3291
Android (android.graphics.Color)	4288051320 (0xFF967878)
YUV	128.9700, -4.4222, 18.4433
Hunter-Lab	46.1227, 7.0762, 5.7023

Details

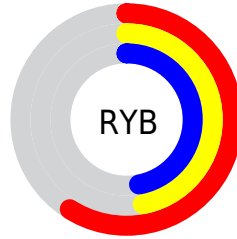
The XYZ color **22.6843, 21.2730, 20.6798** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.1569, 28.0071, 32.9871**, and the grayscale version is **20.8668, 21.9535, 23.9073**.

A 20% lighter version of the original color is **47.3758, 45.4627, 45.3079**, and **8.5685, 7.6270, 7.1514** is the 20% darker color. If you saturate the color by 10%, you get **20.1797, 17.6082, 15.7000**, and if you desaturate by 10%, it is **25.6153, 25.5620, 26.5059**.

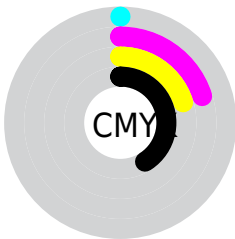
Distribution



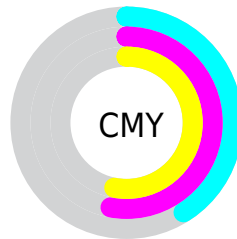
- Red (59%)
- Green (47%)
- Blue (47%)



- Red (59%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (20%)
- Yellow (20%)
- Black (41%)



- Cyan (41%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6843, 21.2730, 20.6798 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 22.6843, 21.2730, 20.6798 by changing the saturation by 10% instead.

■ 22.6843, 21.2730,
20.6798

■ 22.6843, 21.2730,
20.6798

258.6651,
258.7258, 268.2968

■ 14.4800, 13.3237,
12.7012

■ 47.3449, 45.5414,
45.4279

■ 8.5392, 7.6518,
7.0948

■ 64.5319, 62.6294,
63.0344

■ 4.4965, 3.8730,
3.4421

■ 85.4438, 83.5323,
84.6873

■ 1.9867, 1.6028,
1.3246

110.4461,
108.6346, 110.8052

■ 0.6265, 0.3595,
0.0818

139.9040,
138.3208, 141.8066

■ 0.0000, 0.0000,
0.0000

174.1828,

172.9751, 178.1099

213.6481,
212.9819, 220.1338

■ 22.6843, 21.2730,
20.6798

■ 22.6843, 21.2730,
20.6798

■ 20.1797, 17.6082,
15.7000

■ 25.6153, 25.5620,
26.5059

■ 18.0799, 14.5357,
11.5258

■ 28.9894, 30.4991,
33.2136

■ 16.3644, 12.0253,
8.1154

■ 32.8245, 36.1109,
40.8379

■ 15.0097, 10.0430,
5.4224

■ 37.1370, 42.4213,
49.4114

■ 13.9902, 8.5511,
3.3958

■ 41.9427, 49.4531,
58.9652

■ 13.2767, 7.5069,
1.9776

■ 47.2563, 57.2283,
69.5290

■ 12.8350, 6.8606,
1.0997

■ 53.0922, 65.7678,
81.1312

■ 12.5779, 6.4844,
0.5887

■ 59.4642, 75.0915,
93.7991

■ 12.5779, 6.4844,
0.5887

■ 66.3851, 85.2188,
107.5578

Harmonies

Analogous

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



22.8274, 21.2730, 24.3455



22.6843, 21.2730, 20.6798



21.8655, 21.2730, 17.9788

Triad

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



22.6843, 21.2730, 20.6798



18.3174, 21.2730, 18.8673



19.8159, 21.2730, 31.0973

Complementary

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



22.6843, 21.2730, 20.6798



24.1569, 28.0071, 32.9871

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.



18.6579, 21.2730, 29.2580



22.6843, 21.2730, 20.6798



17.8179, 21.2730, 22.0188

Square

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



22.6843, 21.2730, 20.6798



19.3327, 21.2730, 17.0141



17.9398, 21.2730, 25.8367



21.1327, 21.2730, 30.6384

Rectangle

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



22.6843, 21.2730, 20.6798



21.0656, 21.2730, 16.9588



17.9398, 21.2730, 25.8367



19.3961, 21.2730, 30.7204

Sweetspot

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



22.6849, 21.2740, 20.6802



47.4215, 48.3542, 51.1831



24.7994, 22.1193, 31.8167



10.4357, 10.6083, 11.1966



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.



22.6849, 21.2740, 20.6802



37.9651, 34.5170, 32.3839



24.6320, 25.1683, 21.3293



5.8008, 5.8155, 6.0572



10.4318, 5.3780, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



24.1569, 28.0071, 32.9871



41.0459, 48.6085, 58.1403



21.9150, 23.5233, 32.2398



5.9641, 6.5622, 7.4220



13.6095, 19.9137, 27.0575



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 22.6843, 21.2730, 20.6798 looks on a white background.

Color Contrast Check

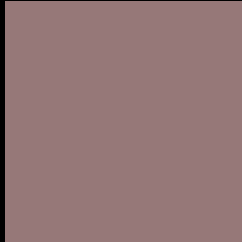
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6843, 21.2730, 20.6798 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 22.6843, 21.2730, 20.6798

Background



This preview shows how black text looks on a background with the XYZ color 22.6843, 21.2730, 20.6798.



This preview shows how white text looks on a background with the XYZ color 22.6843, 21.2730,

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

22.6843, 21.2730, 20.6798

Protanopia

20.4334, 21.3798, 22.1185

Deuteranopia

21.7404, 21.3375, 20.4255



Tritanopia

23.2556, 21.3315, 23.3138

Trichromacy



Original Color

22.6843, 21.2730, 20.6798

Protanomaly

21.0993, 21.1637, 21.7118

Deuteranomaly

22.1434, 21.3620, 20.4090

Tritanomaly

23.0610, 21.2536, 22.2890

Monochromacy



Original Color

22.6843, 21.2730, 20.6798

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5433, 21.7464, 22.8007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6843, 21.2730, 20.6798 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(150, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(150, 120, 120)  
}
```

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(150, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.6843, 21.2730, 20.6798 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(150, 120, 120) }
```


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

```
.border{ border-color:rgb(150, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(150, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6843, 21.2730, 20.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 120, 120) }
```

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

```
.background{ background-color: rgb(150,  
120, 120) }
```

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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