

Converting Colors

XYZ(22.7251, 21.4978, 12.2133)

Have a look what the booklet for
XYZ(22.7251, 21.4978, 12.2133)
contains.

XYZ(22.7760, 21.5085, 12.1836)	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(22.7760, 21.5085,
12.1836)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7858
RGB	159, 120, 88
RGB Percent	62%, 47%, 35%
CMY	0.3765, 0.5294, 0.6549
CMYK	0.00, 0.25, 0.45, 0.38
HSL	27°, 29%, 48%
HSV	27°, 45%, 62%
XYZ	22.7760, 21.5085, 12.1836
YIQ	128.0130, 33.5160, -1.6840

Conversions

Conversions Part 2

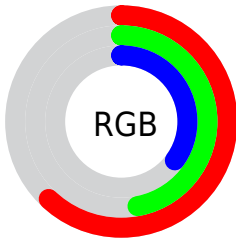
Format	Color
R_{YB}	159, 146, 88
Decimal	10451032
CIE _{Lab}	53.50, 10.99, 23.45
CIE _{LCh}	54, 25.900, 64.899
Yxy	21.5085, 0.4033, 0.3809
Android (android.graphics.Color)	4288641112 (0xFF9F7858)
YUV	128.0130, -19.7264, 27.1756
Hunter-Lab	46.3773, 6.5016, 16.8882

Details

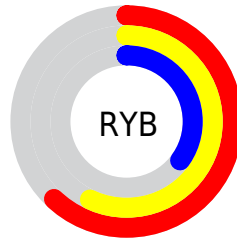
The XYZ color **22.7760, 21.5085, 12.1836** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8715, 19.7557, 35.6721**, and the grayscale version is **20.5809, 21.6528, 23.5799**.

A 20% lighter version of the original color is **47.3643, 45.7871, 30.3862**, and **8.6791, 7.8661, 3.2514** is the 20% darker color. If you saturate the color by 10%, you get **21.1852, 19.2684, 8.7508**, and if you desaturate by 10%, it is **24.6074, 23.9998, 16.4058**.

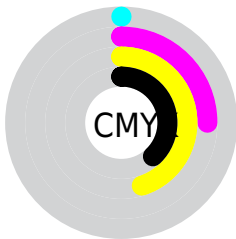
Distribution



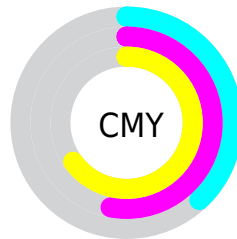
- Red (62%)
- Green (47%)
- Blue (35%)



- Red (62%)
- Yellow (57%)
- Blue (35%)



- Cyan (0%)
- Magenta (25%)
- Yellow (45%)
- Black (38%)



- Cyan (38%)
- Magenta (53%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7760, 21.5085, 12.1836 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 22.7760, 21.5085, 12.1836 by changing the saturation by 10% instead.

■ 22.7760, 21.5085,
12.1836

■ 22.7760, 21.5085,
12.1836

259.1293,
259.9687, 216.6379

■ 14.5480, 13.4962,
6.7448

■ 47.4946, 45.9323,
30.4984

■ 8.5870, 7.7711,
3.2270

■ 64.7159, 63.1126,
44.2115

■ 4.5277, 3.9488,
1.2117

■ 85.6657, 84.1177,
61.5198

■ 2.0048, 1.6450,
0.0000

■ 110.7094,
109.3319, 82.8418

■ 0.6367, 0.3876,
0.0000

■ 140.2122,
139.1398, 108.5961

■ 0.0000, 0.0000,
0.0000

174.5395,

173.9256, 139.2012

214.0568,
214.0737, 175.0756

■ 22.7760, 21.5085,
12.1836

■ 22.7760, 21.5085,
12.1836

■ 21.1852, 19.2684,
8.7508

■ 24.6074, 23.9998,
16.4058

■ 19.8213, 17.2674,
6.0555

■ 26.6888, 26.7475,
21.4621

■ 18.6716, 15.4971,
4.0416

■ 29.0310, 29.7604,
27.3955

■ 17.7214, 13.9470,
2.6442

■ 31.6436, 33.0462,
34.2454

■ 16.9525, 12.6054,
1.7837

■ 34.5358, 36.6120,
42.0490

■ 16.5942, 11.9632,
1.4345

■ 37.7162, 40.4647,
50.8414

■ 41.1931, 44.6109,
60.6558

■ 44.9744, 49.0571,
71.5239

■ 49.0677, 53.8093,
83.4760

Harmonies

Analogous

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



25.1076, 21.5085, 15.7610



22.7760, 21.5085, 12.1836



19.9937, 21.5085, 11.3134

Triad

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



22.7760, 21.5085, 12.1836



15.6022, 21.5085, 24.7401



23.6294, 21.5085, 38.2119

Complementary

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



22.7760, 21.5085, 12.1836



17.8715, 19.7557, 35.6721

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.



20.8994, 21.5085, 42.0413



22.7760, 21.5085, 12.1836



16.3955, 21.5085, 33.2260

Square

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



22.7760, 21.5085, 12.1836



16.0077, 21.5085, 17.5498



18.2754, 21.5085, 40.0378



25.6305, 21.5085, 30.4697

Rectangle

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



22.7760, 21.5085, 12.1836



18.2910, 21.5085, 12.1690



18.2754, 21.5085, 40.0378



22.7579, 21.5085, 40.0700

Sweetspot

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



22.7765, 21.5095, 12.1840



52.6203, 54.0961, 50.6874



21.6219, 15.8841, 22.0222



11.6520, 11.9276, 10.8820



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.



22.7765, 21.5095, 12.1840



37.8424, 34.3666, 15.4685



27.8559, 31.6682, 13.8771



6.8669, 7.1139, 6.9969



13.1474, 9.5303, 1.1466



0.2768, 0.2538, 0.0344

Inverse Universe

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



17.8715, 19.7557, 35.6721



27.8626, 30.7854, 63.2171



14.0709, 12.1547, 34.4052



6.5715, 7.0088, 8.4132



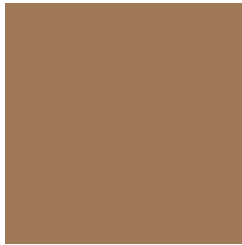
7.6979, 7.4874, 26.9467



0.1796, 0.2178, 0.4958

Previews

White Background



This preview shows how the XYZ color 22.7760, 21.5085, 12.1836 looks on a white background.

Color Contrast Check

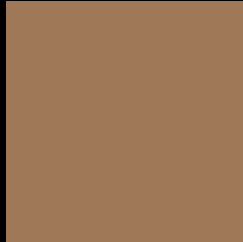
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7760, 21.5085, 12.1836 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 22.7760, 21.5085, 12.1836

Background



This preview shows how black text looks on a background with the XYZ color 22.7760, 21.5085, 12.1836.



This preview shows how white text looks on a background with the XYZ color 22.7760, 21.5085,

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

22.7760, 21.5085, 12.1836

Protanopia

20.0887, 21.5969, 13.0074

Deuteranopia

21.9401, 21.6263, 12.0348



Tritanopia

24.6691, 21.3981, 21.8988

Trichromacy



Original Color

22.7760, 21.5085, 12.1836

Protanomaly

21.0331, 21.5164, 12.7174

Deuteranomaly

22.1974, 21.5757, 12.0114

Tritanomaly

23.9285, 21.4473, 17.9175

Monochromacy



Original Color

22.7760, 21.5085, 12.1836

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9617, 21.3485, 18.6386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7760, 21.5085, 12.1836 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(159, 120, 88)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 88)  
}
```

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(159, 120, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 88) }
```

Border

The CSS property to change the border of an element to XYZ 22.7760, 21.5085, 12.1836 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(159, 120, 88) }
```


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

```
.border{ border-color:rgb(159, 120, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 120, 88); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 120, 88); box-shadow:4px 4px 4px 4px rgb(159, 120, 88) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7760, 21.5085, 12.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 88) }
```

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

```
.background{ background-color: rgb(159,  
120, 88) }
```

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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