

Converting Colors

XYZ(22.8212, 22.5228, 15.6550)

Have a look what the booklet for
XYZ(22.8212, 22.5228, 15.6550)
contains.

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Color

**XYZ(22.8080, 22.5564,
15.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	987E66
RGB	152, 126, 102
RGB Percent	60%, 49%, 40%
CMY	0.4039, 0.5059, 0.6000
CMYK	0.00, 0.17, 0.33, 0.40
HSL	29°, 20%, 50%
HSV	29°, 33%, 60%
XYZ	22.8080, 22.5564, 15.7221
YIQ	131.0380, 23.2000, -1.9520

Conversions

Conversions Part 2

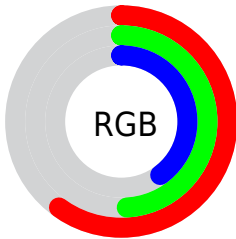
Format	Color
R_{YB}	152, 148, 102
Decimal	9993830
CIE _{Lab}	54.61, 6.34, 16.82
CIE _{LCh}	55, 17.977, 69.334
Yxy	22.5564, 0.3734, 0.3693
Android (android.graphics.Color)	4288183910 (0xFF987E66)
YUV	131.0380, -14.3157, 18.3837
Hunter-Lab	47.4936, 2.6079, 13.6184

Details

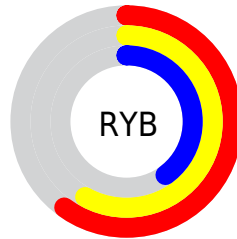
The XYZ color **22.8080, 22.5564, 15.7221** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.8659, 20.5295, 32.6740**, and the grayscale version is **21.6311, 22.7577, 24.7831**.

A 20% lighter version of the original color is **47.6020, 47.8055, 36.8555**, and **8.5990, 8.2929, 4.7619** is the 20% darker color. If you saturate the color by 10%, you get **21.1514, 20.3409, 11.7857**, and if you desaturate by 10%, it is **24.6839, 24.9890, 20.4141**.

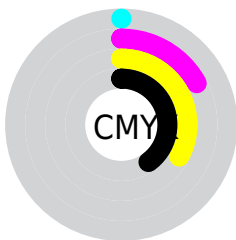
Distribution



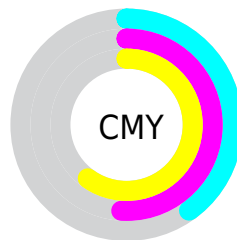
- Red (60%)
- Green (49%)
- Blue (40%)



- Red (60%)
- Yellow (58%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (33%)
- Black (40%)



- Cyan (40%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8080, 22.5564, 15.7221 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 22.8080, 22.5564, 15.7221 by changing the saturation by 10% instead.

■ 22.8080, 22.5564,
15.7221

■ 22.8080, 22.5564,
15.7221

259.2911,
265.4383, 239.4857

■ 14.5717, 14.2663,
9.1755

■ 47.5469, 47.6639,
36.8751

■ 8.6037, 8.3061,
4.7575

■ 64.7801, 65.2501,
52.3186

■ 4.5386, 4.2914,
2.0494

■ 85.7431, 86.7038,
71.5649

■ 2.0111, 1.8379,
0.5854

■ 110.8012,
112.4093, 95.0324

■ 0.6402, 0.5106,
0.0000

140.3196,
142.7512, 123.1397

■ 0.0000, 0.0000,
0.0000

174.6639,

178.1137, 156.3053

214.1992,
218.8813, 194.9478

■ 22.8080, 22.5564,
15.7221

■ 22.8080, 22.5564,
15.7221

■ 21.1514, 20.3409,
11.7857

■ 24.6839, 24.9890,
20.4141

■ 19.7029, 18.3327,
8.5630

■ 26.7860, 27.6418,
25.8976

■ 18.4530, 16.5257,
6.0102

■ 29.1233, 30.5221,
32.2081

■ 17.3903, 14.9122,
4.0781

■ 31.7034, 33.6355,
39.3784

■ 16.5023, 13.4839,
2.7102

■ 34.5338, 36.9876,
47.4393

■ 15.7744, 12.2315,
1.8401

■ 37.6216, 40.5838,
56.4204

■ 15.3295, 11.4366,
1.3995

■ 40.9735, 44.4293,
66.3498

■ 44.5961, 48.5289,
77.2543

■ 48.4955, 52.8876,
89.1598

Harmonies

Analogous

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



24.5137, 22.5564, 18.2894



22.8080, 22.5564, 15.7221



20.8289, 22.5564, 15.3127

Triad

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



22.8080, 22.5564, 15.7221



17.9048, 22.5564, 26.3673



23.9383, 22.5564, 33.9728

Complementary

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



22.8080, 22.5564, 15.7221



18.8659, 20.5295, 32.6740

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.



22.0613, 22.5564, 36.9359



22.8080, 22.5564, 15.7221



18.6331, 22.5564, 32.1217

Square

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



22.8080, 22.5564, 15.7221



18.0776, 22.5564, 20.9171



20.1263, 22.5564, 36.2109



25.1937, 22.5564, 28.6033

Rectangle

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



22.8080, 22.5564, 15.7221



19.6314, 22.5564, 16.2440



20.1263, 22.5564, 36.2109



23.3546, 22.5564, 35.3180

Sweetspot

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



22.8086, 22.5574, 15.7226



48.3522, 50.1230, 48.5725



21.6407, 17.7545, 22.9395



10.8723, 11.2465, 10.7255



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.8086, 22.5574, 15.7226



38.2110, 37.0903, 22.8425



26.3068, 29.5540, 16.8887



6.4412, 6.6874, 6.5572



12.8842, 9.6508, 1.1837



0.2288, 0.2166, 0.0297

Inverse Universe

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



18.8659, 20.5295, 32.6740



30.2176, 32.9774, 57.2063



16.0641, 14.9257, 31.7400



6.1368, 6.5310, 7.8661



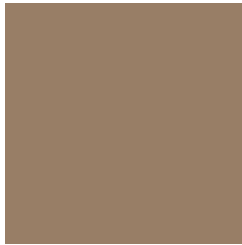
7.1294, 6.6555, 25.8166



0.1430, 0.1723, 0.3981

Previews

White Background



This preview shows how the XYZ color 22.8080, 22.5564, 15.7221 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 22.8080, 22.5564, 15.7221 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

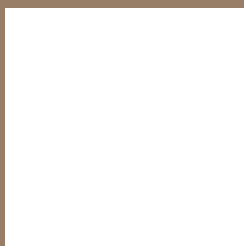
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8080, 22.5564, 15.7221

Background



This preview shows how black text looks on a background with the XYZ color 22.8080, 22.5564, 15.7221.



This preview shows how white text looks on a background with the XYZ color 22.8080, 22.5564,

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

22.8080, 22.5564, 15.7221

Protanopia

21.2625, 22.7210, 16.3617

Deuteranopia

22.9960, 22.6533, 15.7309



Tritanopia

24.5738, 22.5263, 24.5256

Trichromacy



Original Color

22.8080, 22.5564, 15.7221

Protanomaly

21.8000, 22.6091, 16.0470

Deuteranomaly

22.9960, 22.6533, 15.7309

Tritanomaly

23.7995, 22.3920, 20.8370

Monochromacy



Original Color

22.8080, 22.5564, 15.7221

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.8879, 22.5455, 20.9674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8080, 22.5564, 15.7221 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(152, 126, 102)` looks like.

```
.text, #text, p{  
    color:rgb(152, 126, 102)  
}
```

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(152, 126, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 126, 102) }
```

Border

The CSS property to change the border of an element to XYZ 22.8080, 22.5564, 15.7221 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(152, 126, 102) }
```


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

```
.border{ border-color:rgb(152, 126, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 126, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 126, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 126, 102);  
box-shadow:4px 4px 4px 4px rgb(152, 126,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8080, 22.5564, 15.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 126, 102) }
```

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

```
.background{ background-color: rgb(152,  
126, 102) }
```

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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