

Converting Colors

XYZ(20.8808, 22.7186, 14.8226)

Have a look what the booklet for
XYZ(20.8808, 22.7186, 14.8226)
contains.

XYZ(20.9371, 22.7876, 14.8502)	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(20.9371, 22.7876,
14.8502)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8462
RGB	138, 132, 98
RGB Percent	54%, 52%, 38%
CMY	0.4588, 0.4823, 0.6157
CMYK	0.00, 0.04, 0.29, 0.46
HSL	51°, 17%, 46%
HSV	51°, 29%, 54%
XYZ	20.9371, 22.7876, 14.8502
YIQ	129.9180, 14.4900, -9.3020

Conversions

Conversions Part 2

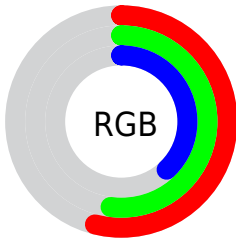
Format	Color
RYB	105, 138, 98
Decimal	9077858
CIELab	54.85, -3.43, 19.21
CIELCh	55, 19.515, 100.126
Yxy	22.7876, 0.3574, 0.3890
Android (android.graphics.Color)	4287267938 (0xFF8A8462)
YUV	129.9180, -15.7356, 7.0879
Hunter-Lab	47.7364, -5.2488, 14.9711

Details

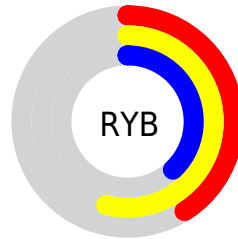
The XYZ color **20.9371, 22.7876, 14.8502** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.5747, 14.3320, 26.0431**, and the grayscale version is **21.2398, 22.3460, 24.3348**.

A 20% lighter version of the original color is **44.5120, 48.0743, 35.3670**, and **7.6213, 8.4518, 4.3616** is the 20% darker color. If you saturate the color by 10%, you get **20.0633, 21.9944, 11.6168**, and if you desaturate by 10%, it is **21.9300, 23.6390, 18.6782**.

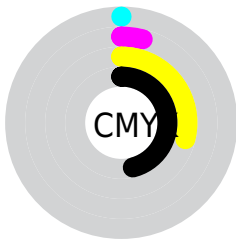
Distribution



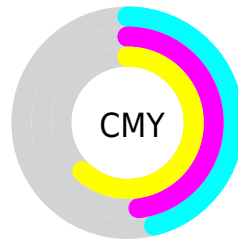
- Red (54%)
- Green (52%)
- Blue (38%)



- Red (41%)
- Yellow (54%)
- Blue (38%)



- Cyan (0%)
- Magenta (4%)
- Yellow (29%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9371, 22.7876, 14.8502 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 20.9371, 22.7876, 14.8502 by changing the saturation by 10% instead.

■ 20.9371, 22.7876,
14.8502

■ 20.9371, 22.7876,
14.8502

249.6821,
266.6322, 234.0672

■ 13.1902, 14.4368,
8.5689

■ 44.4749, 48.0443,
35.3287

■ 7.6376, 8.4251,
4.3681

■ 60.9965, 65.7190,
50.3630

■ 3.9138, 4.3681,
1.8294

■ 81.1738, 87.2704,
69.1521

■ 1.6535, 1.8815,
0.4472

■ 105.3721,
113.0829, 92.1144

■ 0.4269, 0.5372,
0.0000

133.9567,
143.5410, 119.6685

■ 0.0000, 0.0000,
0.0000

167.2930,

179.0289, 152.2330

205.7463,
219.9312, 190.2264

■ 20.9371, 22.7876,
14.8502

■ 20.9371, 22.7876,
14.8502

■ 20.0633, 21.9944,
11.6168

■ 21.9300, 23.6390,
18.6782

■ 19.3011, 21.2538,
8.9461

■ 23.0456, 24.5476,
23.1276

■ 18.6447, 20.5645,
6.8056

■ 24.2896, 25.5165,
28.2251

■ 18.0872, 19.9234,
5.1587

■ 25.6667, 26.5478,
33.9957

■ 17.6207, 19.3274,
3.9643

■ 27.1814, 27.6432,
40.4629

■ 17.2362, 18.7728,
3.1745

■ 28.8380, 28.8045,
47.6492

■ 16.9111, 18.2506,
2.6716

■ 30.6406, 30.0335,
55.5759

■ 16.8788, 18.1984,
2.6230

■ 32.5932, 31.3316,
64.2636

■ 34.6994, 32.7005,
73.7319

Harmonies

Analogous

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



23.1013, 22.7876, 15.2247



20.9371, 22.7876, 14.8502



19.0917, 22.7876, 16.7848

Triad

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



20.9371, 22.7876, 14.8502



18.6367, 22.7876, 33.2915



25.8031, 22.7876, 29.0778

Complementary

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



20.9371, 22.7876, 14.8502



14.5747, 14.3320, 26.0431

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.



24.4466, 22.7876, 35.0601



20.9371, 22.7876, 14.8502



20.2779, 22.7876, 37.7592

Square

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



20.9371, 22.7876, 14.8502



17.8232, 22.7876, 26.9618



22.3972, 22.7876, 38.4553



26.0089, 22.7876, 22.7793

Rectangle

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



20.9371, 22.7876, 14.8502



18.2544, 22.7876, 19.3477



22.3972, 22.7876, 38.4553



25.4625, 22.7876, 31.2186

Sweetspot

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



20.9377, 22.7886, 14.8507



40.5786, 43.2349, 40.5920



17.3478, 15.1384, 15.1047



9.0425, 9.6501, 8.8660



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.9377, 22.7886, 14.8507



35.8417, 39.2113, 22.2101



19.6055, 23.3441, 15.0281



5.3683, 5.7194, 5.3734



15.4837, 16.7019, 2.4077



0.1109, 0.1270, 0.0187

Inverse Universe

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



14.5747, 14.3320, 26.0431



22.6753, 21.7158, 45.3796



15.6375, 14.0154, 25.9260



4.8313, 5.0055, 6.3174



4.4541, 2.1785, 22.2314



0.0362, 0.0278, 0.1499

Previews

White Background



This preview shows how the XYZ color 20.9371, 22.7876, 14.8502 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 20.9371, 22.7876, 14.8502 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 20.9371, 22.7876, 14.8502

Background



This preview shows how black text looks on a background with the XYZ color 20.9371, 22.7876, 14.8502.



This preview shows how white text looks on a background with the XYZ color 20.9371, 22.7876,

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

20.9371, 22.7876, 14.8502

Protanopia

21.3054, 22.7772, 14.8288

Deuteranopia

23.2306, 22.7911, 14.9791



Tritanopia

23.4324, 22.8245, 26.8375

Trichromacy



Original Color

20.9371, 22.7876, 14.8502

Protanomaly

21.1361, 22.6899, 14.8209

Deuteranomaly

22.3657, 22.7288, 15.0127

Tritanomaly

22.4099, 22.7933, 21.9573

Monochromacy



Original Color

20.9371, 22.7876, 14.8502

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0592, 22.5272, 20.3778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9371, 22.7876, 14.8502 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(138, 132, 98)` looks like.

```
.text, #text, p{  
    color:rgb(138, 132, 98)  
}
```

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(138, 132, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 132, 98) }
```

Border

The CSS property to change the border of an element to XYZ 20.9371, 22.7876, 14.8502 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(138, 132, 98) }
```


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

```
.border{ border-color:rgb(138, 132, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 132, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 132, 98); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 132, 98); box-shadow:4px 4px 4px 4px rgb(138, 132, 98) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9371, 22.7876, 14.8502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 132, 98) }
```

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

```
.background{ background-color: rgb(138,  
132, 98) }
```

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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