

Converting Colors

XYZ(20.9032, 22.0600, 21.6470)

Have a look what the booklet for
XYZ(20.9032, 22.0600, 21.6470)
contains.

XYZ(20.8788, 22.0112, 21.5605)	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(20.8788, 22.0112,
21.5605)**

Conversions

Conversions Part 1

Format	Color
Hex	84817A
RGB	132, 129, 122
RGB Percent	52%, 51%, 48%
CMY	0.4824, 0.4941, 0.5216
CMYK	0.00, 0.02, 0.08, 0.48
HSL	42°, 4%, 50%
HSV	42°, 8%, 52%
XYZ	20.8788, 22.0112, 21.5605
YIQ	129.0990, 4.0350, -1.5410

Conversions

Conversions Part 2

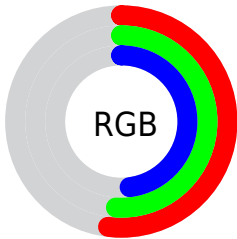
Format	Color
R_{YB}	126, 132, 122
Decimal	8683898
CIE _{Lab}	54.04, -0.20, 4.18
CIE _{LCh}	54, 4.189, 92.778
Yxy	22.0112, 0.3240, 0.3415
Android (android.graphics.Color)	4286873978 (0xFF84817A)
YUV	129.0990, -3.4998, 2.5442
Hunter-Lab	46.9161, -2.6663, 5.5943

Details

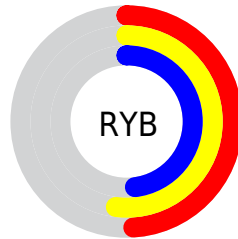
The XYZ color **20.8788, 22.0112, 21.5605** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.5244, 20.4703, 24.7521**, and the grayscale version is **20.9123, 22.0014, 23.9595**.

A 20% lighter version of the original color is **44.3755, 46.8262, 46.7439**, and **7.6385, 8.0574, 7.4560** is the 20% darker color. If you saturate the color by 10%, you get **19.6050, 20.6846, 17.3711**, and if you desaturate by 10%, it is **22.2851, 23.4245, 26.3428**.

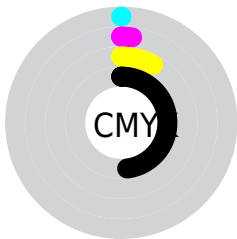
Distribution



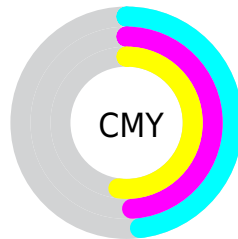
- Red (52%)
- Green (51%)
- Blue (48%)



- Red (49%)
- Yellow (52%)
- Blue (48%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8788, 22.0112, 21.5605 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 20.8788, 22.0112, 21.5605 by changing the saturation by 10% instead.

■ 20.8788, 22.0112,
21.5605

■ 20.8788, 22.0112,
21.5605

249.3776,
262.6048, 273.1207

■ 13.1474, 13.8651,
13.3391

■ 44.3785, 46.7645,
46.9114

■ 7.6078, 8.0269,
7.5290

■ 60.8776, 64.1405,
64.8779

■ 3.8947, 4.1122,
3.7117

■ 81.0299, 85.3620,
86.9299

■ 1.6427, 1.7365,
1.4685

105.2008,
110.8133, 113.4859

■ 0.4200, 0.4471,
0.1943

133.7556,
140.8788, 144.9644

■ 0.0000, 0.0000,
0.0000

167.0598,

175.9430, 181.7840

205.4787,
216.3902, 224.3633

■ 20.8788, 22.0112,
21.5605

■ 20.8788, 22.0112,
21.5605

■ 19.6050, 20.6846,
17.3711

■ 22.2851, 23.4245,
26.3428

■ 18.4572, 19.4397,
13.7497

■ 23.8266, 24.9238,
31.7387

■ 17.4311, 18.2749,
10.6715

■ 25.5080, 26.5121,
37.7697

■ 16.5213, 17.1879,
8.1098

■ 27.3333, 28.1912,
44.4559

■ 15.7220, 16.1759,
6.0351

■ 29.3064, 29.9632,
51.8165

■ 15.0269, 15.2360,
4.4152

■ 31.4309, 31.8297,
59.8697

■ 14.4289, 14.3650,
3.2140

■ 33.7104, 33.7926,
68.6332

■ 13.9198, 13.5592,
2.3896

■ 36.1484, 35.8535,
78.1241

■ 13.4827, 12.8113,
1.8541

■ 38.7480, 38.0140,
88.3588

Harmonies

Analogous

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



21.3219, 22.0112, 21.8162



20.8788, 22.0112, 21.5605



20.4530, 22.0112, 21.9300

Triad

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



20.8788, 22.0112, 21.5605



20.1973, 22.0112, 25.3423



21.7050, 22.0112, 25.1256

Complementary

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



20.8788, 22.0112, 21.5605



19.5244, 20.4703, 24.7521

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.



21.3960, 22.0112, 26.1253



20.8788, 22.0112, 21.5605



20.5251, 22.0112, 26.2535

Square

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



20.8788, 22.0112, 21.5605



20.0631, 22.0112, 24.0876



20.9632, 22.0112, 26.5451



21.8030, 22.0112, 23.8458

Rectangle

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



20.8788, 22.0112, 21.5605



20.2351, 22.0112, 22.4891



20.9632, 22.0112, 26.5451



21.6222, 22.0112, 25.5071

Sweetspot

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



20.8794, 22.0122, 21.5610



38.1192, 40.1314, 42.5065



20.1772, 20.3056, 22.2582



8.8831, 9.3516, 9.9241



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.8794, 22.0122, 21.5610



36.3983, 38.3839, 36.7097



20.9702, 22.6537, 21.6800



4.9250, 5.1936, 4.9723



12.9609, 12.2444, 1.6803



0.0513, 0.0552, 0.0080

Inverse Universe

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



19.5244, 20.4703, 24.7521



33.5300, 35.1201, 43.4648



19.4368, 19.8704, 24.6409



4.5399, 4.7554, 5.8794



4.7574, 3.0626, 21.4771



0.0223, 0.0222, 0.0763

Previews

White Background



This preview shows how the XYZ color 20.8788, 22.0112, 21.5605 looks on a white background.

Color Contrast Check

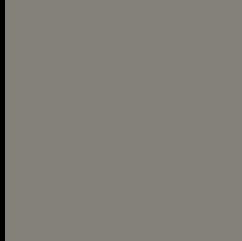
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8788, 22.0112, 21.5605 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

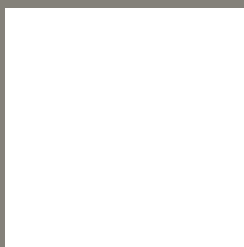
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8788, 22.0112, 21.5605

Background



This preview shows how black text looks on a background with the XYZ color 20.8788, 22.0112, 21.5605.



This preview shows how white text looks on a background with the XYZ color 20.8788, 22.0112,

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

20.8788, 22.0112, 21.5605

Protanopia

21.0360, 22.0922, 21.5679

Deuteranopia

22.4104, 22.0266, 21.8093



Tritanopia

21.9362, 22.0532, 26.7674

Trichromacy



Original Color

20.8788, 22.0112, 21.5605

Protanomaly

21.0360, 22.0922, 21.5679

Deuteranomaly

21.8512, 21.9272, 21.8196

Tritanomaly

21.5569, 22.0908, 24.9576

Monochromacy



Original Color

20.8788, 22.0112, 21.5605

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8221, 21.9527, 22.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8788, 22.0112, 21.5605 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(132, 129, 122)` looks like.

```
.text, #text, p{  
    color:rgb(132, 129, 122)  
}
```

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(132, 129, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 129, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.8788, 22.0112, 21.5605 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(132, 129, 122) }
```


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

```
.border{ border-color:rgb(132, 129, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 129, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 129, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 129, 122); box-shadow:4px 4px 4px 4px rgb(132, 129, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8788, 22.0112, 21.5605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 129, 122) }
```

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

```
.background{ background-color: rgb(132,  
129, 122) }
```

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