

Converting Colors

XYZ(21.8833, 22.2631, 24.8330)

Have a look what the booklet for
XYZ(21.8833, 22.2631, 24.8330)
contains.

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Color

**XYZ(21.8757, 22.2552,
24.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	878084
RGB	135, 128, 132
RGB Percent	53%, 50%, 52%
CMY	0.4706, 0.4980, 0.4823
CMYK	0.00, 0.05, 0.02, 0.47
HSL	326°, 3%, 52%
HSV	326°, 5%, 53%
XYZ	21.8757, 22.2552, 24.9725
YIQ	130.5490, 2.8880, 2.7280

Conversions

Conversions Part 2

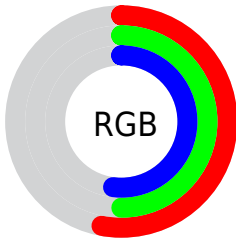
Format	Color
R_{YB}	135, 128, 132
Decimal	8880260
CIE Lab	54.30, 3.41, -1.22
CIE LCh	54, 3.625, 340.299
Yxy	22.2552, 0.3166, 0.3221
Android (android.graphics.Color)	4287070340 (0xFF878084)
YUV	130.5490, 0.7153, 3.9035
Hunter-Lab	47.1754, 0.2152, 1.6374

Details

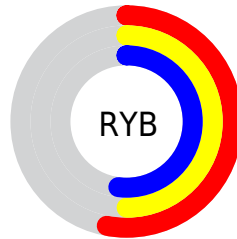
The XYZ color **21.8757, 22.2552, 24.9725** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.6636, 23.5564, 24.8789**, and the grayscale version is **21.4101, 22.5251, 24.5298**.

A 20% lighter version of the original color is **46.0199, 47.2419, 52.5920**, and **8.1036, 8.1478, 9.3292** is the 20% darker color. If you saturate the color by 10%, you get **19.8457, 18.8113, 22.3958**, and if you desaturate by 10%, it is **24.1632, 26.1784, 27.7440**.

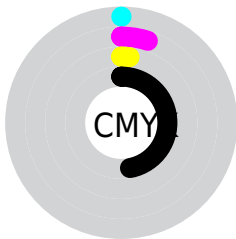
Distribution



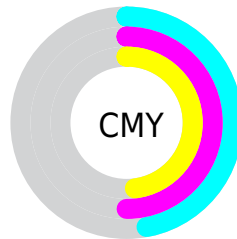
- Red (53%)
- Green (50%)
- Blue (52%)



- Red (53%)
- Yellow (50%)
- Blue (52%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (47%)



- Cyan (47%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8757, 22.2552, 24.9725 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 21.8757, 22.2552, 24.9725 by changing the saturation by 10% instead.

■ 21.8757, 22.2552,
24.9725

■ 21.8757, 22.2552,
24.9725

254.5410,
263.8761, 291.1443

■ 13.8817, 14.0445,
15.8377

■ 46.0209, 47.1674,
52.5762

■ 8.1196, 8.1516,
9.2563

■ 62.9027, 64.6378,
71.8822

■ 4.2240, 4.1921,
4.8096

■ 83.4779, 85.9635,
95.4156

■ 1.8296, 1.7816,
2.0792

108.1117,
111.5289, 123.5951

■ 0.5354, 0.4757,
0.6034

137.1696,
141.7185, 156.8392

■ 0.0000, 0.0000,
0.0000

171.0169,

176.9167, 195.5664

210.0189,
217.5077, 240.1952

■ 21.8757, 22.2552,
24.9725

■ 21.8757, 22.2552,
24.9725

■ 19.8457, 18.8113,
22.3958

■ 24.1632, 26.1784,
27.7440

■ 18.0619, 15.8254,
20.0077

■ 26.7154, 30.5955,
30.7135

■ 16.5146, 13.2786,
17.8032

■ 29.5415, 35.5241,
33.8862

■ 15.1930, 11.1498,
15.7771

■ 32.6496, 40.9800,
37.2663

■ 14.0855, 9.4162,
13.9235

■ 36.0476, 46.9784,
40.8580

■ 13.1789, 8.0524,
12.2362

■ 39.7430, 53.5337,
44.6654

■ 12.4591, 7.0306,
10.7084

■ 43.7431, 60.6600,
48.6924

■ 11.9096, 6.3184,
9.3326

■ 48.0547, 68.3707,
52.9429

■ 11.5071, 5.8700,
8.0989

■ 52.6847, 76.6789,
57.4206

Harmonies

Analogous

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



21.6477, 22.2552, 25.9285



21.8757, 22.2552, 24.9725



21.9087, 22.2552, 23.8455

Triad

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



21.8757, 22.2552, 24.9725



21.0175, 22.2552, 22.1553



20.5792, 22.2552, 25.6657

Complementary

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



21.8757, 22.2552, 24.9725



21.6636, 23.5564, 24.8789

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.



20.4147, 22.2552, 24.6229



21.8757, 22.2552, 24.9725



20.6657, 22.2552, 22.6115

Square

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



21.8757, 22.2552, 24.9725



21.4099, 22.2552, 22.2423



20.4462, 22.2552, 23.5065



20.8980, 22.2552, 26.3372

Rectangle

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



21.8757, 22.2552, 24.9725



21.8152, 22.2552, 23.1517



20.4462, 22.2552, 23.5065



20.5042, 22.2552, 25.3456

Sweetspot

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



21.8763, 22.2562, 24.9730



40.4110, 41.9669, 46.2409



21.4404, 22.0074, 26.0398



9.3714, 9.7408, 10.7244



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.



21.8763, 22.2562, 24.9730



38.8105, 39.2330, 44.2675



21.6464, 22.1642, 23.7623



4.9054, 4.9507, 5.5940



10.4596, 5.2482, 6.9926



0.0399, 0.0196, 0.0435

Inverse Universe

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



21.8763, 22.2562, 24.9730



38.8105, 39.2330, 44.2675



21.8990, 23.6505, 26.1181



4.9054, 4.9507, 5.5940



10.4596, 5.2482, 6.9926



0.0399, 0.0196, 0.0435

Previews

White Background



This preview shows how the XYZ color 21.8757, 22.2552, 24.9725 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 21.8757, 22.2552, 24.9725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

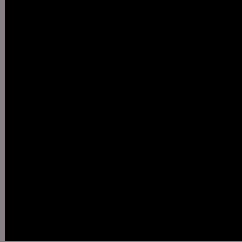
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8757, 22.2552, 24.9725

Background



This preview shows how black text looks on a background with the XYZ color 21.8757, 22.2552, 24.9725.



This preview shows how white text looks on a background with the XYZ color 21.8757, 22.2552,

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

21.8757, 22.2552, 24.9725

Protanopia

21.4440, 22.2193, 25.3488

Deuteranopia

22.6102, 22.2504, 24.9329



Tritanopia

22.2581, 22.2191, 26.7825

Trichromacy



Original Color

21.8757, 22.2552, 24.9725

Protanomaly

21.5996, 22.2995, 25.3561

Deuteranomaly

22.4017, 22.3337, 24.9599

Tritanomaly

22.1159, 22.1623, 26.0338

Monochromacy



Original Color

21.8757, 22.2552, 24.9725

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5951, 22.5095, 24.6793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8757, 22.2552, 24.9725 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(135, 128, 132) looks like.

```
.text, #text, p{  
    color:rgb(135, 128, 132)  
}
```

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(135, 128, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 128, 132) }
```

Border

The CSS property to change the border of an element to XYZ 21.8757, 22.2552, 24.9725 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(135, 128, 132) }
```


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

```
.border{ border-color:rgb(135, 128, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 128, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 128, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 128, 132); box-shadow:4px 4px 4px 4px rgb(135, 128, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8757, 22.2552, 24.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 128, 132) }
```

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

```
.background{ background-color: rgb(135,  
128, 132) }
```

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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