

Converting Colors

XYZ(33.9329, 28.4724, 22.2501)

Have a look what the booklet for
XYZ(33.9329, 28.4724, 22.2501)
contains.

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Color

**XYZ(33.9970, 28.5792,
22.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	C4807A
RGB	196, 128, 122
RGB Percent	77%, 50%, 48%
CMY	0.2314, 0.4980, 0.5216
CMYK	0.00, 0.35, 0.38, 0.23
HSL	5°, 39%, 62%
HSV	5°, 38%, 77%
XYZ	33.9970, 28.5792, 22.1369
YIQ	147.6480, 42.4540, 12.5500

Conversions

Conversions Part 2

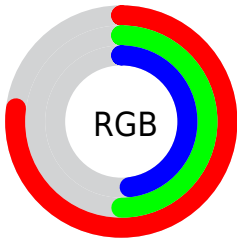
Format	Color
R_{YB}	196, 129, 122
Decimal	12877946
CIE Lab	60.41, 25.58, 14.14
CIE LCh	60, 29.225, 28.928
Yxy	28.5792, 0.4013, 0.3374
Android (android.graphics.Color)	4291068026 (0xFFC4807A)
YUV	147.6480, -12.6445, 42.4047
Hunter-Lab	53.4595, 19.9610, 12.8704

Details

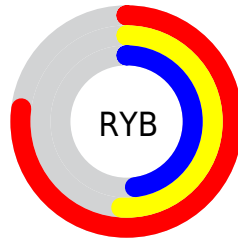
The XYZ color **33.9970, 28.5792, 22.1369** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.4027, 44.9486, 58.9820**, and the grayscale version is **28.0410, 29.5013, 32.1269**.

A 20% lighter version of the original color is **65.0369, 57.1746, 47.6524**, and **14.7422, 11.5053, 7.7471** is the 20% darker color. If you saturate the color by 10%, you get **30.7586, 23.8539, 15.6580**, and if you desaturate by 10%, it is **37.8987, 34.2391, 30.0458**.

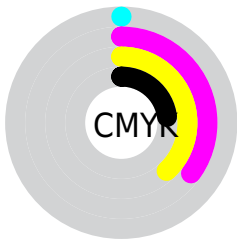
Distribution



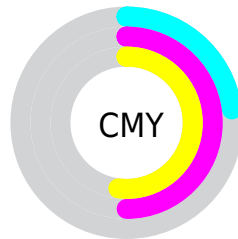
- Red (77%)
- Green (50%)
- Blue (48%)



- Red (77%)
- Yellow (51%)
- Blue (48%)



- Cyan (0%)
- Magenta (35%)
- Yellow (38%)
- Black (23%)



- Cyan (23%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9970, 28.5792, 22.1369 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 33.9970, 28.5792, 22.1369 by changing the saturation by 10% instead.

■ 33.9970, 28.5792,
22.1369

■ 33.9970, 28.5792,
22.1369

311.7048,
295.2243, 276.2372

■ 23.0542, 18.7627,
13.7582

■ 65.2733, 57.4078,
47.8772

■ 14.7544, 11.4990,
7.8159

■ 86.3375, 77.1888,
66.0760

■ 8.7324, 6.4035,
3.8913

■ 111.5062,
101.0600, 88.3853

■ 4.6228, 3.0919,
1.5659

141.1448,
129.4060, 115.2235

■ 2.0601, 1.1799,
0.2663

175.6186,
162.6109, 147.0092

■ 0.6674, 0.0452,
0.0000

215.2930,

■ 0.0000, 0.0000,

201.0594, 184.1611

0.0000

260.5333,
245.1357, 227.0975

■ 33.9970, 28.5792,
22.1369

■ 33.9970, 28.5792,
22.1369

■ 30.7586, 23.8539,
15.6580

■ 37.8987, 34.2391,
30.0458

■ 28.1445, 20.0090,
10.5222

■ 42.4956, 40.8758,
39.4614

■ 26.1150, 16.9912,
6.6354


■ 47.8201, 48.5338,
50.4568


■ 24.6247, 14.7397,
3.8909


■ 53.9018, 57.2537,
63.0999


■ 23.6216, 13.1852,
2.1642


■ 60.7688, 67.0740,
77.4547

 23.0383, 12.2438,
1.2754

 68.4478, 78.0310,
93.5818

 22.9489, 12.1035,
1.1267

 76.2802, 89.8861,
107.9371

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



35.0541, 28.5792, 31.5071



33.9970, 28.5792, 22.1369



31.0694, 28.5792, 16.5366

Triad

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



33.9970, 28.5792, 22.1369



21.4288, 28.5792, 21.6062



27.0286, 28.5792, 56.7565

Complementary

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



33.9970, 28.5792, 22.1369



36.4027, 44.9486, 58.9820

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.



23.5998, 28.5792, 52.4402



33.9970, 28.5792, 22.1369



20.5561, 28.5792, 30.7319

Square

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



33.9970, 28.5792, 22.1369



23.8138, 28.5792, 16.2836



21.3134, 28.5792, 42.2488



30.8138, 28.5792, 52.9910

Rectangle

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



33.9970, 28.5792, 22.1369



28.5762, 28.5792, 14.8973



21.3134, 28.5792, 42.2488



25.7985, 28.5792, 56.1883

Sweetspot

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



33.9977, 28.5806, 22.1375



83.1801, 82.9669, 84.2670



39.1360, 29.4197, 52.9447



17.5162, 17.3445, 17.4419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.9977, 28.5806, 22.1375



56.8284, 44.8334, 30.5662



39.5416, 39.6682, 23.9854



10.1374, 10.2063, 10.4976



14.7719, 7.8295, 0.7327



0.6612, 0.3842, 0.0393

Inverse Universe

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



36.4027, 44.9486, 58.9820



61.7689, 78.5403, 106.5120



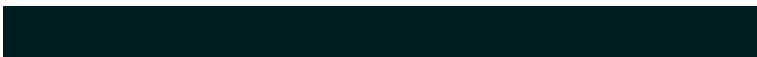
29.5568, 31.2567, 56.7000



10.2964, 11.2841, 12.9202



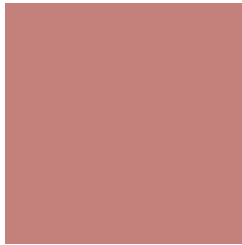
16.9320, 23.6204, 37.2234



0.7526, 1.0627, 1.6153

Previews

White Background



This preview shows how the XYZ color 33.9970, 28.5792, 22.1369 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 33.9970, 28.5792, 22.1369 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 33.9970, 28.5792, 22.1369

Background



This preview shows how black text looks on a background with the XYZ color 33.9970, 28.5792, 22.1369.



This preview shows how white text looks on a background with the XYZ color 33.9970, 28.5792,

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

33.9970, 28.5792, 22.1369

Protanopia

27.3245, 28.8719, 25.6054

Deuteranopia

29.1304, 28.5472, 21.7441



Tritanopia

34.8600, 28.5413, 26.5934

Trichromacy



Original Color

33.9970, 28.5792, 22.1369

Protanomaly

29.2773, 28.3486, 24.3508

Deuteranomaly

30.8458, 28.5725, 21.9785

Tritanomaly

34.6446, 28.6608, 24.8252

Monochromacy



Original Color

33.9970, 28.5792, 22.1369

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.7021, 28.9132, 28.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9970, 28.5792, 22.1369 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(196, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(196, 128, 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(196, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 128, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.9970, 28.5792, 22.1369 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(196, 128, 122) }
```


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

```
.border{ border-color:rgb(196, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 128, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 128, 122); box-shadow:4px 4px 4px 4px rgb(196, 128, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9970, 28.5792, 22.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 128, 122) }
```

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

```
.background{ background-color: rgb(196,  
128, 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](#).

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