

Converting Colors

XYZ(33.9403, 29.8578, 20.5733)

Have a look what the booklet for
XYZ(33.9403, 29.8578, 20.5733)
contains.

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Color

**XYZ(33.9256, 29.7805,
20.4831)**

Conversions

Conversions Part 1

Format	Color
Hex	C28674
RGB	194, 134, 116
RGB Percent	76%, 53%, 45%
CMY	0.2392, 0.4745, 0.5451
CMYK	0.00, 0.31, 0.40, 0.24
HSL	14°, 39%, 61%
HSV	14°, 40%, 76%
XYZ	33.9256, 29.7805, 20.4831
YIQ	149.8880, 41.5380, 7.1220

Conversions

Conversions Part 2

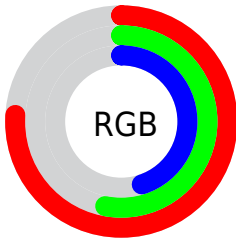
Format	Color
RYB	194, 139, 116
Decimal	12748404
CIELab	61.46, 20.78, 18.96
CIElCh	61, 28.130, 42.382
Yxy	29.7805, 0.4030, 0.3537
Android (android.graphics.Color)	4290938484 (0xFFC28674)
YUV	149.8880, -16.7068, 38.6862
Hunter-Lab	54.5715, 15.4684, 15.9459

Details

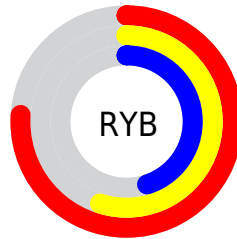
The XYZ color **33.9256, 29.7805, 20.4831** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.4646, 38.6570, 56.7893**, and the grayscale version is **28.9989, 30.5091, 33.2244**.

A 20% lighter version of the original color is **65.1960, 59.4890, 45.0921**, and **14.6949, 12.1613, 7.0417** is the 20% darker color. If you saturate the color by 10%, you get **30.9939, 25.5385, 14.5078**, and if you desaturate by 10%, it is **37.3855, 34.7018, 27.7977**.

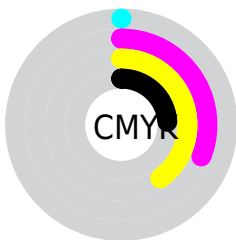
Distribution



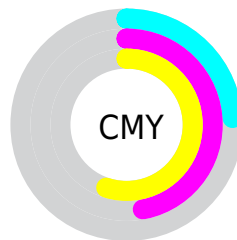
- Red (76%)
- Green (53%)
- Blue (45%)



- Red (76%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (31%)
- Yellow (40%)
- Black (24%)





- Cyan (24%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9256, 29.7805, 20.4831 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 33.9256, 29.7805, 20.4831 by changing the saturation by 10% instead.


 33.9256, 29.7805,
20.4831


 33.9256, 29.7805,
20.4831


311.3919,
300.8800, 267.2088

 22.9991, 19.6720,
12.5591


 65.1630, 59.3149,
45.0952

 14.7135, 12.1569,
6.9985


 86.2046, 79.5096,
62.6205

 8.7036, 6.8506,
3.3828


 111.3486,
103.8352, 84.1833

 4.6039, 3.3688,
1.2932

140.9603,
132.6760, 110.2021

 2.0491, 1.3272,
0.0562

175.4052,
166.4165, 141.0955

 0.6613, 0.1621,
0.0000

215.0485,

 0.0000, 0.0000,

205.4411, 177.2821

0.0000

260.2556,
250.1341, 219.1803

■ 33.9256, 29.7805,
20.4831

■ 33.9256, 29.7805,
20.4831

■ 30.9939, 25.5385,
14.5078

■ 37.3855, 34.7018,
27.7977

■ 28.5613, 21.9411,
9.7882

■ 41.3963, 40.3261,
36.5247

■ 26.5991, 18.9575,
6.2337


■ 45.9819, 46.6817,
46.7342


■ 25.0745, 16.5519,
3.7411


■ 51.1645, 53.7935,
58.4908

■ 23.9500, 14.6851,
2.1883


■ 56.9646, 61.6857,
71.8556

 23.1781, 13.3294,
1.3512

 63.4020, 70.3810,
86.8861

 70.4955, 79.9016,
103.6372

 75.5437, 89.1805,
107.8397

 76.0581, 90.2093,
108.0112

Harmonies

Analogous

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



35.8839, 29.7805, 28.2280



33.9256, 29.7805, 20.4831



30.5265, 29.7805, 16.5560

Triad

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



33.9256, 29.7805, 20.4831



22.0198, 29.7805, 26.6115



29.8674, 29.7805, 56.8371

Complementary

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



33.9256, 29.7805, 20.4831



32.4646, 38.6570, 56.7893

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.



26.1949, 29.7805, 56.1358



33.9256, 29.7805, 20.4831



21.8771, 29.7805, 37.0206

Square

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



33.9256, 29.7805, 20.4831



23.7518, 29.7805, 19.5241



23.3431, 29.7805, 48.2902



33.4068, 29.7805, 50.0368

Rectangle

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



33.9256, 29.7805, 20.4831



28.0092, 29.7805, 15.9607



23.3431, 29.7805, 48.2902



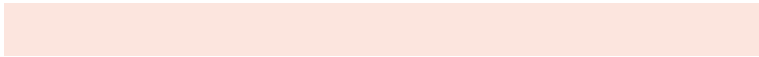
28.6038, 29.7805, 57.5068

Sweetspot

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



33.9264, 29.7819, 20.4837



81.5743, 82.1828, 80.7804



36.4394, 27.1386, 44.9650



17.6139, 17.6516, 17.1309



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.



33.9264, 29.7819, 20.4837



56.8637, 47.3062, 27.7042



40.1341, 42.1973, 22.5529



10.2577, 10.4468, 10.5377



15.2916, 8.8690, 0.9059



0.7151, 0.4919, 0.0573

Inverse Universe

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



32.4646, 38.6570, 56.7893



53.8293, 65.4733, 102.2703



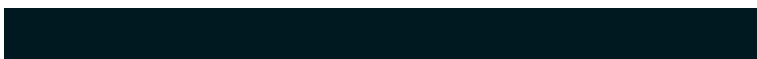
26.0431, 25.8140, 54.6488



10.1651, 11.0214, 12.8764



13.5558, 16.8680, 36.0980



0.6350, 0.8274, 1.5761

Previews

White Background



This preview shows how the XYZ color 33.9256, 29.7805, 20.4831 looks on a white background.

Color Contrast Check

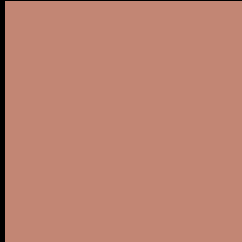
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9256, 29.7805, 20.4831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

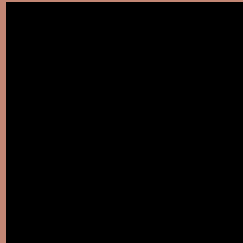
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9256, 29.7805, 20.4831

Background



This preview shows how black text looks on a background with the XYZ color 33.9256, 29.7805, 20.4831.



This preview shows how white text looks on a background with the XYZ color 33.9256, 29.7805,

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

33.9256, 29.7805, 20.4831

Protanopia

28.0697, 29.7780, 23.0072

Deuteranopia

30.5389, 29.9738, 20.0955



Tritanopia

35.6149, 29.8618, 28.6977

Trichromacy



Original Color

33.9256, 29.7805, 20.4831

Protanomaly

29.7902, 29.5470, 21.9023

Deuteranomaly

31.7640, 29.9391, 20.3243

Tritanomaly

34.8537, 29.7433, 25.3768

Monochromacy



Original Color

33.9256, 29.7805, 20.4831

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.2866, 29.8885, 28.2175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9256, 29.7805, 20.4831 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(194, 134, 116)` looks like.

```
.text, #text, p{  
    color:rgb(194, 134, 116)  
}
```

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(194, 134, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 134, 116) }
```

Border

The CSS property to change the border of an element to XYZ 33.9256, 29.7805, 20.4831 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(194, 134, 116) }
```


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

```
.border{ border-color:rgb(194, 134, 116) }
```

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

Here you see how a box with a 4 pixel rgb(194, 134, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 134, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 134, 116);  
box-shadow:4px 4px 4px 4px rgb(194, 134,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9256, 29.7805, 20.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 134, 116) }
```

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

```
.background{ background-color: rgb(194,  
134, 116) }
```

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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