

Converting Colors

XYZ(28.9131, 29.0181, 20.9427)

Have a look what the booklet for
XYZ(28.9131, 29.0181, 20.9427)
contains.

XYZ(28.9697, 29.1448, 20.9283)	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(28.9697, 29.1448,
20.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	A78F75
RGB	167, 143, 117
RGB Percent	65%, 56%, 46%
CMY	0.3451, 0.4392, 0.5412
CMYK	0.00, 0.14, 0.30, 0.35
HSL	31°, 22%, 56%
HSV	31°, 30%, 65%
XYZ	28.9697, 29.1448, 20.9283
YIQ	147.2120, 22.6500, -2.9980

Conversions

Conversions Part 2

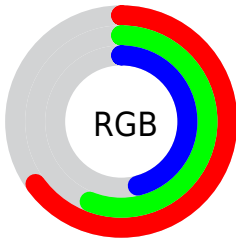
Format	Color
R_{YB}	163, 167, 117
Decimal	10981237
CIE _{Lab}	60.91, 4.98, 17.18
CIE _{LCh}	61, 17.889, 73.821
Yxy	29.1448, 0.3665, 0.3687
Android (android.graphics.Color)	4289171317 (0xFFA78F75)
YUV	147.2120, -14.8945, 17.3541
Hunter-Lab	53.9859, 1.3106, 14.8057

Details

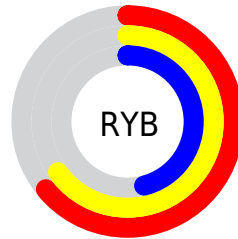
The XYZ color **28.9697, 29.1448, 20.9283** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.8358, 25.6209, 40.2483**, and the grayscale version is **27.8747, 29.3264, 31.9364**.

A 20% lighter version of the original color is **57.5591, 58.4851, 45.7912**, and **11.9280, 11.8358, 7.2861** is the 20% darker color. If you saturate the color by 10%, you get **26.9138, 26.4665, 15.8232**, and if you desaturate by 10%, it is **31.2883, 32.0678, 26.9858**.

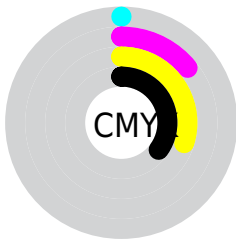
Distribution



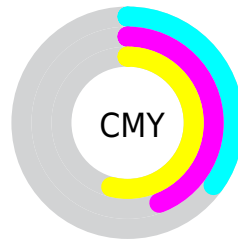
- Red (65%)
- Green (56%)
- Blue (46%)



- Red (64%)
- Yellow (65%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (30%)
- Black (35%)



- Cyan (35%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9697, 29.1448, 20.9283 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 28.9697, 29.1448, 20.9283 by changing the saturation by 10% instead.

■ 28.9697, 29.1448,
20.9283

■ 28.9697, 29.1448,
20.9283

289.0687,
297.8976, 269.6657

■ 19.2021, 19.1904,
12.8809

■ 57.4268, 58.3071,
45.8474

■ 11.9213, 11.8079,
7.2168

■ 76.8470, 78.2837,
63.5562

■ 6.7619, 6.6130,
3.5176

■ 100.2155,
102.3699, 85.3225

■ 3.3586, 3.2213,
1.3646

127.8975,
130.9500, 111.5648

■ 1.3461, 1.2483,
0.1139

160.2585,
164.4084, 142.7018

■ 0.2174, 0.1007,
0.0000

197.6638,

■ 0.0000, 0.0000,

203.1295, 179.1519

0.0000

240.4788,
247.4978, 221.3337

■ 28.9697, 29.1448,
20.9283

■ 28.9697, 29.1448,
20.9283

■ 26.9138, 26.4665,
15.8232

■ 31.2883, 32.0678,
26.9858

■ 25.1072, 24.0216,
11.6192

■ 33.8777, 35.2384,
34.0401

■ 23.5386, 21.8037,
8.2626

■ 36.7484, 38.6645,
42.1345

■ 22.1949, 19.8045,
5.6933

■ 39.9096, 42.3525,
51.3097

■ 21.0613, 18.0148,
3.8431

■ 43.3700, 46.3083,
61.6039

■ 20.1206, 16.4246,
2.6320

■ 47.1380, 50.5379,
73.0534

■ 19.3371, 15.0161,
1.8821

■ 51.2217, 55.0468,
85.6931

■ 19.3326, 15.0080,
1.8779

■ 55.6287, 59.8404,
99.5561

■ 58.3217, 64.1063,
103.9076

Harmonies

Analogous

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



31.0644, 29.1448, 23.6459



28.9697, 29.1448, 20.9283



26.6437, 29.1448, 20.8248

Triad

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



28.9697, 29.1448, 20.9283



23.5708, 29.1448, 34.9017



30.9238, 29.1448, 41.9314

Complementary

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



28.9697, 29.1448, 20.9283



23.8358, 25.6209, 40.2483

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.



28.7864, 29.1448, 45.9101



28.9697, 29.1448, 20.9283



24.5900, 29.1448, 41.4829

Square

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



28.9697, 29.1448, 20.9283



23.6138, 29.1448, 28.2879



26.4704, 29.1448, 45.7353



32.2352, 29.1448, 35.4486

Rectangle

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



28.9697, 29.1448, 20.9283



25.2794, 29.1448, 22.2150



26.4704, 29.1448, 45.7353



30.2730, 29.1448, 43.6441

Sweetspot

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



28.9705, 29.1461, 20.9289



61.0538, 63.5696, 62.0214



27.1180, 22.8665, 28.2491



13.5085, 14.0394, 13.4516



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.9705, 29.1461, 20.9289



49.3614, 48.9305, 31.1619



32.7906, 37.0469, 22.2526



7.8417, 8.1635, 7.9517



14.8429, 11.5830, 1.4534



0.4119, 0.3834, 0.0523

Inverse Universe

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



23.8358, 25.6209, 40.2483



38.6510, 41.5784, 71.4636



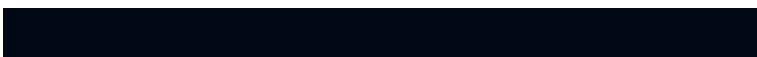
20.7853, 19.3529, 39.1992



7.4177, 7.8723, 9.5469



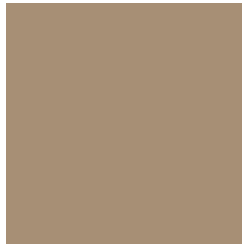
7.5894, 6.6390, 28.8569



0.2361, 0.2645, 0.7193

Previews

White Background



This preview shows how the XYZ color 28.9697, 29.1448, 20.9283 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 28.9697, 29.1448, 20.9283 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 28.9697, 29.1448, 20.9283

Background



This preview shows how black text looks on a background with the XYZ color 28.9697, 29.1448, 20.9283.



This preview shows how white text looks on a background with the XYZ color 28.9697, 29.1448,

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

28.9697, 29.1448, 20.9283

Protanopia

27.4738, 29.2673, 21.6539

Deuteranopia

29.5303, 28.9920, 20.8692



Tritanopia

31.4520, 29.2931, 32.4302

Trichromacy



Original Color

28.9697, 29.1448, 20.9283

Protanomaly

28.0461, 29.3394, 21.3244

Deuteranomaly

29.4615, 29.1764, 20.9084

Tritanomaly

30.4710, 29.1084, 27.6794

Monochromacy



Original Color

28.9697, 29.1448, 20.9283

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.0492, 29.2054, 27.4514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9697, 29.1448, 20.9283 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(167, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(167, 143, 117)  
}
```

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(167, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 143, 117) }
```

Border

The CSS property to change the border of an element to XYZ 28.9697, 29.1448, 20.9283 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(167, 143, 117) }
```


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

```
.border{ border-color:rgb(167, 143, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 143, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 143, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 143, 117); box-shadow:4px 4px 4px 4px rgb(167, 143, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9697, 29.1448, 20.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 143, 117) }
```

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

```
.background{ background-color: rgb(167,  
143, 117) }
```

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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