

Converting Colors

XYZ(28.3700, 28.4771, 14.6995)

Have a look what the booklet for
XYZ(28.3700, 28.4771, 14.6995)
contains.

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Color

**XYZ(28.3398, 28.5158,
14.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8D5E
RGB	171, 141, 94
RGB Percent	67%, 55%, 37%
CMY	0.3294, 0.4470, 0.6314
CMYK	0.00, 0.18, 0.45, 0.33
HSL	37°, 31%, 52%
HSV	37°, 45%, 67%
XYZ	28.3398, 28.5158, 14.6001
YIQ	144.6120, 32.9670, -8.2570

Conversions

Conversions Part 2

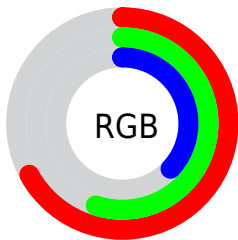
Format	Color
R_{YB}	143, 171, 94
Decimal	11242846
CIE _{Lab}	60.35, 4.93, 29.27
CIE _{LCh}	60, 29.686, 80.440
Yxy	28.5158, 0.3966, 0.3991
Android (android.graphics.Color)	4289432926 (0xFFAB8D5E)
YUV	144.6120, -24.9517, 23.1423
Hunter-Lab	53.4002, 1.2807, 21.1697

Details

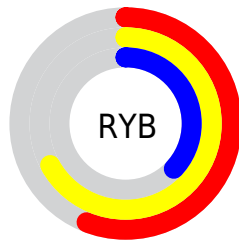
The XYZ color **28.3398, 28.5158, 14.6001** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.1741, 19.7345, 41.3265**, and the grayscale version is **26.8454, 28.2434, 30.7571**.

A 20% lighter version of the original color is **56.6208, 57.5685, 34.9157**, and **11.5903, 11.4693, 4.2922** is the 20% darker color. If you saturate the color by 10%, you get **26.7032, 26.3375, 10.6792**, and if you desaturate by 10%, it is **30.2069, 30.8830, 19.4372**.

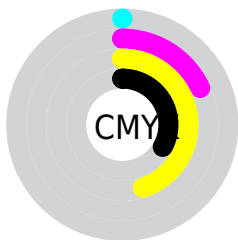
Distribution



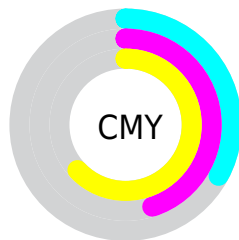
- Red (67%)
- Green (55%)
- Blue (37%)



- Red (56%)
- Yellow (67%)
- Blue (37%)



- Cyan (0%)
- Magenta (18%)
- Yellow (45%)
- Black (33%)



- Cyan (33%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3398, 28.5158, 14.6001 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 28.3398, 28.5158, 14.6001 by changing the saturation by 10% instead.

■ 28.3398, 28.5158,
14.6001

■ 28.3398, 28.5158,
14.6001

286.1378,
294.9235, 232.4896

■ 18.7237, 18.7148,
8.3957

■ 56.4314, 57.3069,
34.8824

■ 11.5736, 11.4644,
4.2578

■ 75.6375, 77.0658,
49.7974

■ 6.5242, 6.3801,
1.7678

■ 98.7711, 100.9128,
68.4531

■ 3.2100, 3.0776,
0.4066

■ 126.1975,
129.2324, 91.2679

■ 1.2658, 1.1724,
0.0000

158.2820,
162.4088, 118.6604

■ 0.1574, 0.0390,
0.0000

195.3900,

■ 0.0000, 0.0000,

200.8265, 151.0492

0.0000

237.8868,
244.8700, 188.8527

■ 28.3398, 28.5158,
14.6001

■ 28.3398, 28.5158,
14.6001

■ 26.7032, 26.3375,
10.6792

■ 30.2069, 30.8830,
19.4372

■ 25.2826, 24.3375,
7.6126

■ 32.3138, 33.4411,
25.2433

■ 24.0649, 22.5098,
5.3334

■ 34.6715, 36.1973,
32.0695

■ 23.0344, 20.8464,
3.7638

■ 37.2900, 39.1571,
39.9624

■ 22.1718, 19.3379,
2.8081

■ 40.1783, 42.3255,
48.9662

■ 21.7837, 18.6363,
2.4490

■ 43.3453, 45.7076,
59.1220

■ 46.7992, 49.3081,
70.4693

■ 50.5479, 53.1316,
83.0455

■ 54.5991, 57.1824,
96.8862

Harmonies

Analogous

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



32.0480, 28.5158, 17.5070



28.3398, 28.5158, 14.6001



24.6218, 28.5158, 15.2324

Triad

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



28.3398, 28.5158, 14.6001



20.7953, 28.5158, 38.9774



33.1603, 28.5158, 46.4400

Complementary

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



28.3398, 28.5158, 14.6001



19.1741, 19.7345, 41.3265

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.



29.7464, 28.5158, 55.1835



28.3398, 28.5158, 14.6001



22.6955, 28.5158, 50.2217

Square

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



28.3398, 28.5158, 14.6001



20.4951, 28.5158, 27.6895



25.9035, 28.5158, 56.7100



34.9984, 28.5158, 34.6695

Rectangle

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



28.3398, 28.5158, 14.6001



22.6188, 28.5158, 17.6490



25.9035, 28.5158, 56.7100



32.1447, 28.5158, 49.9363

Sweetspot

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



28.3405, 28.5171, 14.6007



62.4444, 65.2285, 58.4689



24.4863, 18.1391, 21.5460



13.7171, 14.3067, 12.4237



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.3405, 28.5171, 14.6007



47.8444, 47.1969, 19.1719



31.7490, 37.7521, 16.2036



8.3967, 8.7983, 8.4691



16.4740, 14.1536, 1.8636



0.5094, 0.4959, 0.0689

Inverse Universe

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



19.1741, 19.7345, 41.3265



29.3531, 29.4999, 73.1489



16.7992, 13.7533, 40.2972



7.8252, 8.2498, 10.1326



7.0853, 5.3044, 29.6949



0.2512, 0.2557, 0.8441

Previews

White Background



This preview shows how the XYZ color 28.3398, 28.5158, 14.6001 looks on a white background.

Color Contrast Check

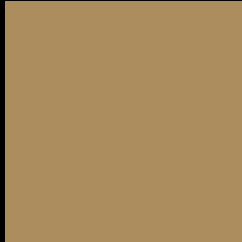
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3398, 28.5158, 14.6001 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 28.3398, 28.5158, 14.6001

Background



This preview shows how black text looks on a background with the XYZ color 28.3398, 28.5158, 14.6001.



This preview shows how white text looks on a background with the XYZ color 28.3398, 28.5158,

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

28.3398, 28.5158, 14.6001

Protanopia

26.4908, 28.6714, 15.2043

Deuteranopia

28.9322, 28.3873, 14.5441



Tritanopia

31.6793, 28.6024, 30.6392

Trichromacy



Original Color

28.3398, 28.5158, 14.6001

Protanomaly

27.1431, 28.5593, 14.9084

Deuteranomaly

28.8540, 28.5630, 14.5821

Tritanomaly

30.1671, 28.3963, 23.6297

Monochromacy



Original Color

28.3398, 28.5158, 14.6001

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0656, 28.3229, 23.7790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3398, 28.5158, 14.6001 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(171, 141, 94)` looks like.

```
.text, #text, p{  
    color:rgb(171, 141, 94)  
}
```

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(171, 141, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 141, 94) }
```

Border

The CSS property to change the border of an element to XYZ 28.3398, 28.5158, 14.6001 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(171, 141, 94) }
```


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

```
.border{ border-color:rgb(171, 141, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 141, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 141, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 141, 94);  
box-shadow:4px 4px 4px 4px rgb(171, 141,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3398, 28.5158, 14.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 141, 94) }
```

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

```
.background{ background-color: rgb(171,  
141, 94) }
```

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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