

Converting Colors

XYZ(28.2569, 29.0767, 12.5536)

Have a look what the booklet for
XYZ(28.2569, 29.0767, 12.5536)
contains.

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Color

**XYZ(28.3681, 29.2445,
12.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9054
RGB	171, 144, 84
RGB Percent	67%, 56%, 33%
CMY	0.3294, 0.4353, 0.6706
CMYK	0.00, 0.16, 0.51, 0.33
HSL	41°, 34%, 50%
HSV	41°, 51%, 67%
XYZ	28.3681, 29.2445, 12.5371
YIQ	145.2330, 35.3520, -12.9360

Conversions

Conversions Part 2

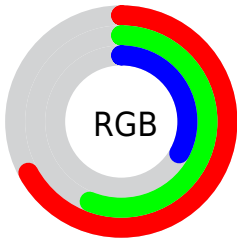
Format	Color
R_{YB}	123, 171, 84
Decimal	11243604
CIE _{Lab}	61.00, 2.26, 35.45
CIE _{LCh}	61, 35.526, 86.350
Y _{xy}	29.2445, 0.4044, 0.4169
Android (android.graphics.Color)	4289433684 (0xFFAB9054)
YUV	145.2330, -30.1879, 22.5977
Hunter-Lab	54.0782, -1.0001, 24.1094

Details

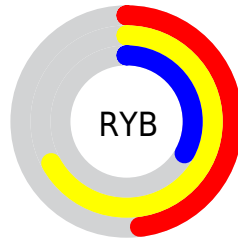
The XYZ color **28.3681, 29.2445, 12.5371** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.6912, 16.1935, 40.7740**, and the grayscale version is **27.1179, 28.5302, 31.0694**.

A 20% lighter version of the original color is **56.5622, 58.6314, 31.2575**, and **11.6573, 11.9147, 3.3544** is the 20% darker color. If you saturate the color by 10%, you get **26.9937, 27.4400, 9.1685**, and if you desaturate by 10%, it is **29.9452, 31.1928, 16.7806**.

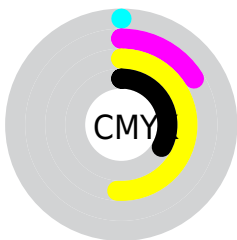
Distribution



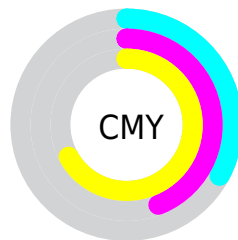
- Red (67%)
- Green (56%)
- Blue (33%)



- Red (48%)
- Yellow (67%)
- Blue (33%)



- Cyan (0%)
- Magenta (16%)
- Yellow (51%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3681, 29.2445, 12.5371 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 28.3681, 29.2445, 12.5371 by changing the saturation by 10% instead.

■ 28.3681, 29.2445,
12.5371

■ 28.3681, 29.2445,
12.5371

286.2700,
298.3668, 219.0319

■ 18.7452, 19.2659,
6.9836

■ 56.4761, 58.4653,
31.1485

■ 11.5892, 11.8625,
3.3736

■ 75.6920, 78.4763,
45.0435

■ 6.5348, 6.6501,
1.2884

■ 98.8362, 102.6002,
62.5561

■ 3.2166, 3.2443,
0.0523

■ 126.2741,
131.2213, 84.1049

■ 1.2693, 1.2606,
0.0000

■ 158.3711,
164.7242, 110.1083

■ 0.1601, 0.1104,
0.0000

195.4925,

■ 0.0000, 0.0000,

203.4931, 140.9849

0.0000

238.0037,
247.9125, 177.1533

■ 28.3681, 29.2445,
12.5371

■ 28.3681, 29.2445,
12.5371

■ 26.9937, 27.4400,
9.1685

■ 29.9452, 31.1928,
16.7806

■ 25.8073, 25.7691,
6.6090

■ 31.7343, 33.2860,
21.9547

■ 24.7953, 24.2268,
4.7864

■ 33.7465, 35.5306,
28.1127

■ 23.9408, 22.8055,
3.6148

■ 35.9915, 37.9310,
35.3030

■ 23.2658, 21.6003,
2.9430

■ 38.4785, 40.4919,
43.5712

■ 41.2159, 43.2172,
52.9599

■ 44.2118, 46.1110,
63.5095

■ 47.4739, 49.1770,
75.2582

■ 51.0097, 52.4190,
88.2426

Harmonies

Analogous

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



33.0413, 29.2445, 14.9504



28.3681, 29.2445, 12.5371



24.0193, 29.2445, 13.9888

Triad

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



28.3681, 29.2445, 12.5371



20.5400, 29.2445, 44.5902



35.9083, 29.2445, 48.2119

Complementary

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



28.3681, 29.2445, 12.5371



16.6912, 16.1935, 40.7740

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.



31.9492, 29.2445, 60.6825



28.3681, 29.2445, 12.5371



23.1375, 29.2445, 58.2154

Square

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



28.3681, 29.2445, 12.5371



19.8057, 29.2445, 30.2426



27.2317, 29.2445, 64.7743



37.6896, 29.2445, 33.4974

Rectangle

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



28.3681, 29.2445, 12.5371



21.8246, 29.2445, 17.2556



27.2317, 29.2445, 64.7743



34.7679, 29.2445, 52.9478

Sweetspot

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



28.3688, 29.2459, 12.5377



62.6419, 66.0108, 57.3410



22.8647, 16.1587, 17.1124



13.7867, 14.5250, 12.2031



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.



28.3688, 29.2459, 12.5377



48.0716, 48.7712, 15.7948



29.6904, 36.7395, 13.9144



8.4498, 8.9045, 8.4867



17.5874, 16.3802, 2.2347



0.5350, 0.5471, 0.0774

Inverse Universe

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



16.6912, 16.1935, 40.7740



24.8371, 22.8420, 72.1018



15.7713, 11.9878, 40.0107



7.7741, 8.1476, 10.1156



6.5453, 4.2245, 29.5149



0.2315, 0.2163, 0.8375

Previews

White Background



This preview shows how the XYZ color 28.3681, 29.2445, 12.5371 looks on a white background.

Color Contrast Check

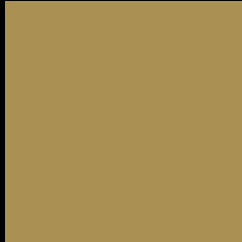
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3681, 29.2445, 12.5371 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 28.3681, 29.2445, 12.5371

Background



This preview shows how black text looks on a background with the XYZ color 28.3681, 29.2445, 12.5371.



This preview shows how white text looks on a background with the XYZ color 28.3681, 29.2445,

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

28.3681, 29.2445, 12.5371

Protanopia

26.9737, 29.2047, 12.8097

Deuteranopia

29.7550, 29.2893, 12.6795



Tritanopia

32.3436, 29.3450, 31.5632

Trichromacy



Original Color

28.3681, 29.2445, 12.5371

Protanomaly

27.4356, 29.2130, 12.7870

Deuteranomaly

29.2172, 29.2320, 12.6968

Tritanomaly

30.6954, 29.3254, 23.1113

Monochromacy



Original Color

28.3681, 29.2445, 12.5371

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0270, 28.5509, 22.8253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3681, 29.2445, 12.5371 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, 144, 84)` looks like.

```
.text, #text, p{  
    color:rgb(171, 144, 84)  
}
```

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, 144, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 144, 84) }
```

Border

The CSS property to change the border of an element to XYZ 28.3681, 29.2445, 12.5371 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, 144, 84) }
```


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

```
.border{ border-color:rgb(171, 144, 84) }
```

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

Here you see how a box with a 4 pixel rgb(171, 144, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 144, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 144, 84);  
box-shadow:4px 4px 4px 4px rgb(171, 144,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3681, 29.2445, 12.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 144, 84) }
```

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

```
.background{ background-color: rgb(171,  
144, 84) }
```

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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