

Converting Colors

XYZ(28.2613, 28.2088, 20.4868)

Have a look what the booklet for
XYZ(28.2613, 28.2088, 20.4868)
contains.

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Color

**XYZ(28.2564, 28.1241,
20.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	A68C74
RGB	166, 140, 116
RGB Percent	65%, 55%, 45%
CMY	0.3490, 0.4510, 0.5451
CMYK	0.00, 0.16, 0.30, 0.35
HSL	29°, 22%, 55%
HSV	29°, 30%, 65%
XYZ	28.2564, 28.1241, 20.4622
YIQ	145.0380, 23.2000, -1.9520

Conversions

Conversions Part 2

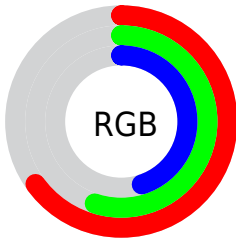
Format	Color
R_{YB}	166, 162, 116
Decimal	10914932
CIE _{Lab}	60.00, 6.12, 16.48
CIE _{LCh}	60, 17.576, 69.636
Yxy	28.1241, 0.3677, 0.3660
Android (android.graphics.Color)	4289105012 (0xFFA68C74)
YUV	145.0380, -14.3157, 18.3837
Hunter-Lab	53.0322, 2.3014, 14.2458

Details

The XYZ color **28.2564, 28.1241, 20.4622** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **23.7582, 25.8116, 39.8066**, and the grayscale version is **26.9794, 28.3845, 30.9107**.

A 20% lighter version of the original color is **56.4839, 56.9403, 45.0593**, and **11.5096, 11.2404, 7.0318** is the 20% darker color. If you saturate the color by 10%, you get **26.1639, 25.3486, 15.4190**, and if you desaturate by 10%, it is **30.6219, 31.1691, 26.4484**.

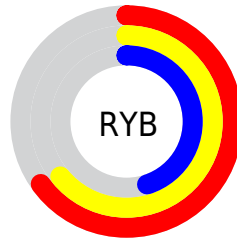
Distribution



Red (65%)

Green (55%)

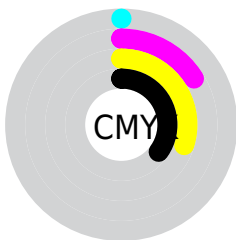
Blue (45%)



Red (65%)

Yellow (64%)

Blue (45%)

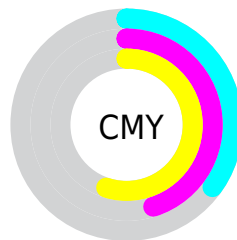


Cyan (0%)

Magenta (16%)

Yellow (30%)

Black (35%)



Cyan (35%)

Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2564, 28.1241, 20.4622 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 28.2564, 28.1241, 20.4622 by changing the saturation by 10% instead.


 28.2564, 28.1241,
20.4622


 28.2564, 28.1241,
20.4622


285.7480,
293.0594, 267.0929


 18.6605, 18.4192,
12.5441


 56.2993, 56.6825,
45.0599

 11.5277, 11.2514,
6.9883

 75.4770, 76.3048,
62.5765

 6.4929, 6.2362,
3.3765


 98.5794, 100.0018,
84.1296

 3.1905, 2.9892,
1.2899

125.9717,
128.1577, 110.1379

 1.2553, 1.1261,
0.0535

158.0193,
161.1571, 141.0198

 0.1494, 0.0001,
0.0000

195.0877,

 0.0000, 0.0000,

199.3842, 177.1940

0.0000

237.5421,
243.2235, 219.0788

■ 28.2564, 28.1241,
20.4622

■ 28.2564, 28.1241,
20.4622

■ 26.1639, 25.3486,
15.4190

■ 30.6219, 31.1691,
26.4484

■ 24.3307, 22.8306,
11.2678

■ 33.2689, 34.4875,
33.4214

■ 22.7452, 20.5625,
7.9555

■ 36.2082, 38.0879,
41.4242

■ 21.3938, 18.5352,
5.4227

■ 39.4493, 41.9776,
50.4970

■ 20.2613, 16.7384,
3.6019

■ 43.0012, 46.1632,
60.6777

■ 19.3302, 15.1610,
2.4136

■ 46.8727, 50.6513,
72.0022

■ 18.5721, 13.7992,
1.6847

■ 51.0720, 55.4484,
84.5049

■ 55.6071, 60.5605,
98.2189

■ 58.7652, 65.3054,
104.1157

Harmonies

Analogous

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



30.1833, 28.1241, 23.4154



28.2564, 28.1241, 20.4622



26.0174, 28.1241, 20.0099

Triad

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



28.2564, 28.1241, 20.4622



22.7098, 28.1241, 32.7317



29.5707, 28.1241, 41.1255

Complementary

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



28.2564, 28.1241, 20.4622



23.7582, 25.8116, 39.8066

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.



27.4578, 28.1241, 44.4477



28.2564, 28.1241, 20.4622



23.5528, 28.1241, 39.1744

Square

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



28.2564, 28.1241, 20.4622



22.8970, 28.1241, 26.5316



25.2617, 28.1241, 43.6877



30.9710, 28.1241, 35.1134

Rectangle

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



28.2564, 28.1241, 20.4622



24.6595, 28.1241, 21.1124



25.2617, 28.1241, 43.6877



28.9156, 28.1241, 42.6295

Sweetspot

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



28.2571, 28.1254, 20.4628



60.8647, 63.1914, 61.9584



26.9043, 22.5712, 28.7934



13.4602, 13.9427, 13.4354



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.



28.2571, 28.1254, 20.4628



48.7413, 47.6904, 30.9552



32.2137, 36.0386, 21.7816



7.8171, 8.1143, 7.9435



14.4480, 10.7933, 1.3218



0.4030, 0.3655, 0.0493

Inverse Universe

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



23.7582, 25.8116, 39.8066



39.2710, 42.8184, 71.6703



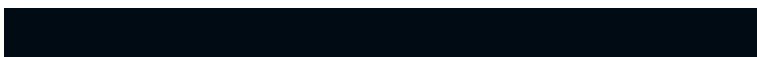
20.5250, 19.3450, 38.7288



7.4423, 7.9216, 9.5551



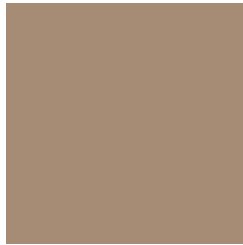
7.9842, 7.4285, 28.9885



0.2451, 0.2824, 0.7222

Previews

White Background



This preview shows how the XYZ color 28.2564, 28.1241, 20.4622 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 28.2564, 28.1241, 20.4622 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 28.2564, 28.1241, 20.4622

Background



This preview shows how black text looks on a background with the XYZ color 28.2564, 28.1241, 20.4622.



This preview shows how white text looks on a background with the XYZ color 28.2564, 28.1241,

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

28.2564, 28.1241, 20.4622

Protanopia

26.3801, 28.0268, 21.1589

Deuteranopia

28.5335, 28.0510, 20.4335



Tritanopia

30.3547, 28.1187, 31.0217

Trichromacy



Original Color

28.2564, 28.1241, 20.4622

Protanomaly

27.1339, 28.1984, 20.8423

Deuteranomaly

28.3214, 27.9417, 20.4236

Tritanomaly

29.4673, 27.9654, 26.7664

Monochromacy



Original Color

28.2564, 28.1241, 20.4622

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.2624, 28.1385, 26.5486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2564, 28.1241, 20.4622 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(166, 140, 116)` looks like.

```
.text, #text, p{  
    color:rgb(166, 140, 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(166, 140, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 140, 116) }
```

Border

The CSS property to change the border of an element to XYZ 28.2564, 28.1241, 20.4622 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(166, 140, 116) }
```


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

```
.border{ border-color:rgb(166, 140, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 140, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 140, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 140, 116);  
box-shadow:4px 4px 4px 4px rgb(166, 140,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2564, 28.1241, 20.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 140, 116) }
```

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

```
.background{ background-color: rgb(166,  
140, 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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