

Converting Colors

XYZ(29.9255, 29.0735, 21.7892)

Have a look what the booklet for
XYZ(29.9255, 29.0735, 21.7892)
contains.

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Color

**XYZ(29.9283, 29.1765,
21.8235)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8D78
RGB	172, 141, 120
RGB Percent	67%, 55%, 47%
CMY	0.3255, 0.4470, 0.5294
CMYK	0.00, 0.18, 0.30, 0.33
HSL	24°, 24%, 57%
HSV	24°, 30%, 67%
XYZ	29.9283, 29.1765, 21.8235
YIQ	147.8750, 25.2170, 0.0410

Conversions

Conversions Part 2

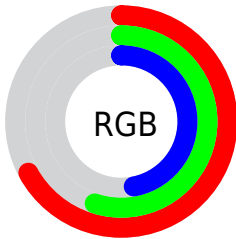
Format	Color
R_{YB}	172, 155, 120
Decimal	11308408
CIE Lab	60.94, 8.54, 15.61
CIE LCh	61, 17.787, 61.323
Yxy	29.1765, 0.3698, 0.3605
Android (android.graphics.Color)	4289498488 (0xFFAC8D78)
YUV	147.8750, -13.7424, 21.1576
Hunter-Lab	54.0153, 4.3749, 13.8561

Details

The XYZ color **29.9283, 29.1765, 21.8235** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **26.2584, 29.1039, 43.2634**, and the grayscale version is **28.1450, 29.6107, 32.2460**.

A 20% lighter version of the original color is **58.9564, 58.5028, 47.2145**, and **12.4862, 11.8590, 7.5922** is the 20% darker color. If you saturate the color by 10%, you get **27.5345, 25.9120, 16.3300**, and if you desaturate by 10%, it is **32.6511, 32.7987, 28.3525**.

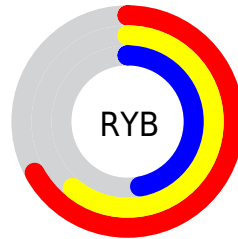
Distribution



Red (67%)

Green (55%)

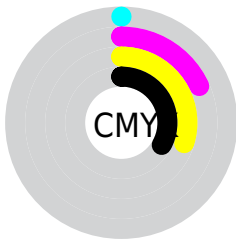
Blue (47%)



Red (67%)

Yellow (61%)

Blue (47%)

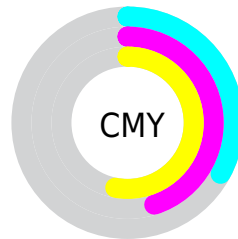


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (33%)



Cyan (33%)


Magenta (45%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9283, 29.1765, 21.8235 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 29.9283, 29.1765, 21.8235 by changing the saturation by 10% instead.

 29.9283, 29.1765,
21.8235


 29.9283, 29.1765,
21.8235


293.4859,
298.0468, 274.5465

 19.9320, 19.2144,
13.5302

 58.9362, 58.3574,
47.3526

 12.4536, 11.8253,
7.6596


 78.6784, 78.3450,
65.4254

 7.1278, 6.6248,
3.7933


 102.4001,
102.4431, 87.5951

 3.5892, 3.2286,
1.5127

130.4664,
131.0363, 114.2803

 1.4724, 1.2522,
0.2273

163.2428,
164.5088, 145.8995

 0.3070, 0.1037,
0.0000

201.0946,

 0.0000, 0.0000,

203.2452, 182.8713

0.0000

244.3872,
247.6297, 225.6141

■ 29.9283, 29.1765,
21.8235

■ 29.9283, 29.1765,
21.8235

■ 27.5345, 25.9120,
16.3300

■ 32.6511, 32.7987,
28.3525

■ 25.4537, 22.9895,
11.8159

■ 35.7136, 36.7854,
35.9653

■ 23.6716, 20.3981,
8.2228

■ 39.1287, 41.1486,
44.7093

■ 22.1719, 18.1247,
5.4851

■ 42.9080, 45.8982,
54.6287

■ 20.9364, 16.1550,
3.5282

■ 47.0624, 51.0438,
65.7652

■ 19.9443, 14.4733,
2.2646

■ 51.6025, 56.5948,
78.1585

■ 19.1707, 13.0855,
1.5153

■ 56.5382, 62.5600,
91.8463

■ 61.4577, 68.7795,
104.6443

■ 64.2809, 74.4259,
105.5854

Harmonies

Analogous

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



31.7206, 29.1765, 25.5770



29.9283, 29.1765, 21.8235



27.6285, 29.1765, 20.6282

Triad

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



29.9283, 29.1765, 21.8235



23.5052, 29.1765, 32.0642



30.1164, 29.1765, 43.9835

Complementary

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



29.9283, 29.1765, 21.8235



26.2584, 29.1039, 43.2634

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.



27.8345, 29.1765, 46.3337



29.9283, 29.1765, 21.8235



24.0915, 29.1765, 38.8858

Square

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



29.9283, 29.1765, 21.8235



23.9978, 29.1765, 26.0218



25.6447, 29.1765, 44.3511



31.8334, 29.1765, 38.3039

Rectangle

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



29.9283, 29.1765, 21.8235



26.1402, 29.1765, 21.2886



25.6447, 29.1765, 44.3511



29.3858, 29.1765, 45.2220

Sweetspot

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



29.9291, 29.1778, 21.8241



65.4221, 67.5487, 66.8452



29.3321, 24.4448, 32.5359



14.0366, 14.4465, 14.0692



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.



29.9291, 29.1778, 21.8241



51.4430, 49.0605, 32.9902



34.1857, 37.6911, 23.2430



8.2609, 8.5266, 8.4238



14.3171, 9.8398, 1.1447



0.4528, 0.3828, 0.0500

Inverse Universe

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



26.2584, 29.1039, 43.2634



43.7426, 48.8966, 77.9383



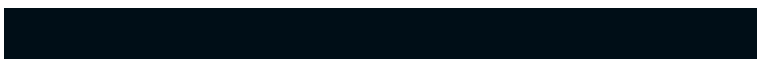
22.5514, 21.6899, 42.0278



7.9608, 8.5211, 10.1778



9.1706, 9.4750, 30.3900



0.3069, 0.3672, 0.8627

Previews

White Background



This preview shows how the XYZ color 29.9283, 29.1765, 21.8235 looks on a white background.

Color Contrast Check

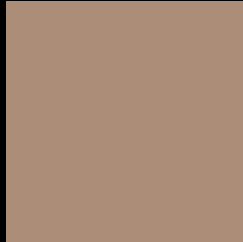
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9283, 29.1765, 21.8235 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 29.9283, 29.1765, 21.8235

Background



This preview shows how black text looks on a background with the XYZ color 29.9283, 29.1765, 21.8235.



This preview shows how white text looks on a background with the XYZ color 29.9283, 29.1765,

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

29.9283, 29.1765, 21.8235

Protanopia

27.5264, 29.2661, 22.9370

Deuteranopia

29.7096, 29.0637, 21.8133



Tritanopia

31.9702, 29.1434, 31.9572

Trichromacy



Original Color

29.9283, 29.1765, 21.8235

Protanomaly

28.3362, 29.2330, 22.5614

Deuteranomaly

29.7096, 29.0637, 21.8133

Tritanomaly

31.1315, 29.0106, 28.0036

Monochromacy



Original Color

29.9283, 29.1765, 21.8235

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.6175, 29.2539, 28.1830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9283, 29.1765, 21.8235 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(172, 141, 120)` looks like.

```
.text, #text, p{  
    color:rgb(172, 141, 120)  
}
```

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(172, 141, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 141, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.9283, 29.1765, 21.8235 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(172, 141, 120) }
```


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

```
.border{ border-color:rgb(172, 141, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 141, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 141, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 141, 120);  
box-shadow:4px 4px 4px 4px rgb(172, 141,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9283, 29.1765, 21.8235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 141, 120) }
```

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

```
.background{ background-color: rgb(172,  
141, 120) }
```

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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