

# Converting Colors

XYZ(28.3610, 25.4293, 24.3472)

Have a look what the booklet for  
XYZ(28.3610, 25.4293, 24.3472)  
contains.

<b>XYZ(28.3464, 25.4216, 24.1817)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(28.3464, 25.4216,  
24.1817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB7F81
RGB	171, 127, 129
RGB Percent	67%, 50%, 51%
CMY	0.3294, 0.5019, 0.4941
CMYK	0.00, 0.26, 0.25, 0.33
HSL	357°, 21%, 58%
HSV	357°, 26%, 67%
XYZ	28.3464, 25.4216, 24.1817
YIQ	140.3840, 25.5820, 9.9500

# Conversions

## Conversions Part 2

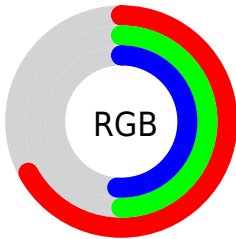
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 127, 129
Decimal	11239297
CIE <sub>Lab</sub>	57.48, 17.32, 5.58
CIE <sub>LCh</sub>	57, 18.195, 17.857
Yxy	25.4216, 0.3636, 0.3261
Android (android.graphics.Color)	4289429377 (0xFFAB7F81)
YUV	140.3840, -5.6123, 26.8502
Hunter-Lab	50.4198, 12.1193, 6.8580

# Details

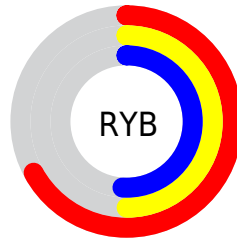
The XYZ color **28.3464, 25.4216, 24.1817** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.4778, 36.5030, 42.9774**, and the grayscale version is **25.0914, 26.3981, 28.7475**.

A 20% lighter version of the original color is **56.4433, 52.3508, 51.3858**, and **11.6436, 9.8795, 8.8827** is the 20% darker color. If you saturate the color by 10%, you get **25.3227, 20.9741, 18.2413**, and if you desaturate by 10%, it is **31.9197, 30.6904, 31.1611**.

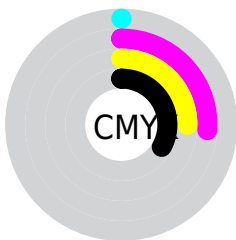
# Distribution



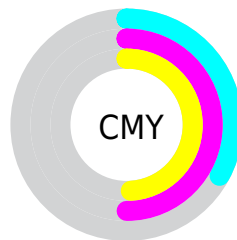
- Red (67%)
- Green (50%)
- Blue (51%)



- Red (67%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (26%)
- Yellow (25%)
- Black (33%)




- Cyan (33%)
- Magenta (50%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3464, 25.4216, 24.1817 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 28.3464, 25.4216, 24.1817 by changing the saturation by 10% instead.





 28.3464, 25.4216,  
24.1817


 28.3464, 25.4216,  
24.1817


286.1686,  
279.9311, 287.0539


 18.7287, 16.3914,  
15.2550


 56.4418, 52.3404,  
51.2741

 11.5773, 9.8016,  
8.8499


 75.6502, 70.9977,  
70.2769

 6.5267, 5.2676,  
4.5480


 98.7863, 93.6330,  
93.4754

 3.2116, 2.4051,  
1.9305

126.2154,  
120.6305, 121.2883

 1.2666, 0.8285,  
0.5120

158.3028,  
152.3747, 154.1341

 0.1580, 0.0000,  
0.0000

195.4139,

 0.0000, 0.0000,

189.2499, 192.4312

0.0000

237.9140,  
231.6406, 236.5983

■ 28.3464, 25.4216,  
24.1817

■ 28.3464, 25.4216,  
24.1817

■ 25.3227, 20.9741,  
18.2413

■ 31.9197, 30.6904,  
31.1611

■ 22.8195, 17.3034,  
13.2889

■ 36.0657, 36.8153,  
39.2242

■ 20.8078, 14.3658,  
9.2712

■ 40.8088, 43.8332,  
48.4149

■ 19.2554, 12.1122,  
6.1296

■ 46.1715, 51.7780,  
58.7745

■ 18.1260, 10.4873,  
3.7987

■ 52.1748, 60.6816,  
70.3418

■ 17.3778, 9.4273,  
2.2040

■ 58.8390, 70.5746,  
83.1541

■ 16.9583, 8.8503,  
1.2565

■ 66.1834, 81.4862,  
97.2470

■ 16.8372, 8.6750,  
1.0099

■ 70.6047, 87.3980,  
107.7560

# Harmonies

## Analogous

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



28.4661, 25.4216, 30.2648



28.3464, 25.4216, 24.1817



27.0654, 25.4216, 19.7458

# Triad

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



28.3464, 25.4216, 24.1817



21.2047, 25.4216, 20.4246



23.2971, 25.4216, 41.0514

# Complementary

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



28.3464, 25.4216, 24.1817



30.4778, 36.5030, 42.9774

# 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.



21.4749, 25.4216, 37.4969



28.3464, 25.4216, 24.1817



20.3161, 25.4216, 25.2464

# Square

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



28.3464, 25.4216, 24.1817



22.9080, 25.4216, 17.8100



20.4119, 25.4216, 31.5000



25.4619, 25.4216, 40.6525



# Rectangle

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



28.3464, 25.4216, 24.1817



25.7661, 25.4216, 18.0383



20.4119, 25.4216, 31.5000



22.6268, 25.4216, 40.2597

# Sweetspot

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



28.3471, 25.4228, 24.1822



62.7037, 63.1435, 66.5822



31.2601, 26.5331, 42.0021



13.7323, 13.7106, 14.3606



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.



28.3471, 25.4228, 24.1822



47.4996, 40.7204, 36.8967



31.0287, 30.9964, 24.4276



8.0194, 8.0210, 8.4131



12.6981, 6.5418, 0.7895



0.3579, 0.1839, 0.0465



# Inverse Universe

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



28.3471, 25.4228, 24.1822



47.4996, 40.7204, 36.8967



27.2029, 29.6510, 42.8178



8.0194, 8.0210, 8.4131



12.6981, 6.5418, 0.7895

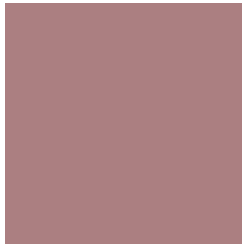


0.3579, 0.1839, 0.0465



# Previews

## White Background



This preview shows how the XYZ color 28.3464, 25.4216, 24.1817 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 28.3464, 25.4216, 24.1817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

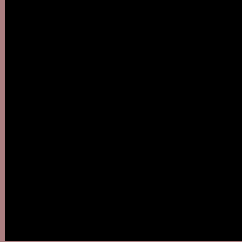
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.3464, 25.4216, 24.1817**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3464, 25.4216, 24.1817.



This preview shows how white text looks on a background with the XYZ color 28.3464, 25.4216,



# 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

28.3464, 25.4216, 24.1817

### Protanopia

24.6170, 25.6770, 26.5804

### Deuteranopia

25.9941, 25.4015, 23.9550



## Tritanopia

28.9180, 25.4699, 26.6846

# Trichromacy



## Original Color

28.3464, 25.4216, 24.1817

## Protanomaly

25.8956, 25.5160, 25.7505

## Deuteranomaly

26.7105, 25.3682, 23.9108

## Tritanomaly

28.7077, 25.3858, 25.5772

# Monochromacy



## Original Color

28.3464, 25.4216, 24.1817

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

25.8704, 25.6848, 26.8867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3464, 25.4216, 24.1817 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, 127, 129)` looks like.

```
.text, #text, p{  
    color:rgb(171, 127, 129)  
}
```

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, 127, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 127, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3464, 25.4216, 24.1817 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, 127, 129) }
```



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

```
.border{ border-color:rgb(171, 127, 129) }
```

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

Here you see how a box with a 4 pixel rgb(171, 127, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 127, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 127, 129);  
box-shadow:4px 4px 4px 4px rgb(171, 127,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.3464, 25.4216, 24.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 127, 129) }
```

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

```
.background{ background-color: rgb(171,  
127, 129) }
```

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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