

Converting Colors

XYZ(49.8024, 40.8418, 27.6744)

Have a look what the booklet for
XYZ(49.8024, 40.8418, 27.6744)
contains.

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Color

**XYZ(49.8180, 40.9056,
27.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9486
RGB	237, 148, 134
RGB Percent	93%, 58%, 53%
CMY	0.0706, 0.4196, 0.4745
CMYK	0.00, 0.38, 0.43, 0.07
HSL	8°, 74%, 73%
HSV	8°, 43%, 93%
XYZ	49.8180, 40.9056, 27.8241
YIQ	173.0150, 57.5380, 14.5140

Conversions

Conversions Part 2

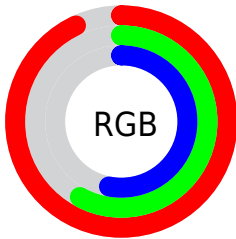
Format	Color
R_{YB}	237, 150, 134
Decimal	15570054
CIE Lab	70.11, 31.97, 21.55
CIE LCh	70, 38.558, 33.978
Yxy	40.9056, 0.4202, 0.3451
Android (android.graphics.Color)	4293760134 (0xFFED9486)
YUV	173.0150, -19.2344, 56.1148
Hunter-Lab	63.9575, 27.1123, 18.9767

Details

The XYZ color **49.8180, 40.9056, 27.8241** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **51.5038, 63.9550, 89.7505**, and the grayscale version is **39.8036, 41.8765, 45.6035**.

A 20% lighter version of the original color is **71.5656, 67.5597, 56.2821**, and **24.1432, 18.4708, 10.6802** is the 20% darker color. If you saturate the color by 10%, you get **45.4138, 34.4527, 19.0944**, and if you desaturate by 10%, it is **55.1629, 48.6471, 38.6954**.

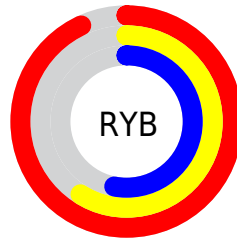
Distribution



Red (93%)

Green (58%)

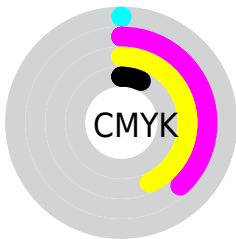
Blue (53%)



Red (93%)

Yellow (59%)

Blue (53%)

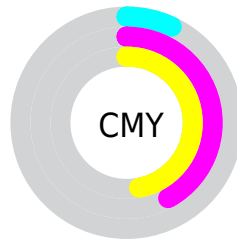


Cyan (0%)

Magenta (38%)

Yellow (43%)

Black (7%)



Cyan (7%)


Magenta (42%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8180, 40.9056, 27.8241 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 49.8180, 40.9056, 27.8241 by changing the saturation by 10% instead.


 49.8180, 40.9056,
27.8241


 49.8180, 40.9056,
27.8241


376.4175,
349.9259, 305.5109

 35.4860, 28.2453,
17.9552


 89.0986, 76.5406,
57.2232

 24.2058, 18.5107,
10.7487


 114.7779,
100.2841, 77.5905

 15.6119, 11.3172,
5.7861


 144.9704,
128.4907, 102.2944

 9.3390, 6.2806,
2.6488

180.0414,
161.5450, 131.7533

 5.0219, 3.0165,
0.9175

220.3562,
199.8313, 166.3859

 2.2950, 1.1403,
0.0000

266.2803,

 0.7921, 0.0121,

243.7339, 206.6107

0.0000

318.1790,
293.6373, 252.8462

■ 0.0000, 0.0000,
0.0000

■ 49.8180, 40.9056,
27.8241

■ 49.8180, 40.9056,
27.8241

■ 45.4138, 34.4527,
19.0944

■ 55.1629, 48.6471,
38.6954

■ 41.8921, 29.2123,
12.3622

■ 61.4959, 57.7357,
51.8350

■ 39.1932, 25.1100,
7.4692

■ 68.8648, 68.2335,
67.3624

■ 37.2484, 22.0601,
4.2318

■ 77.3134, 80.1973,
85.3879

■ 35.9770, 19.9649,
2.4283

■ 86.8830, 93.6803,
106.0151

■ 35.4476, 19.0497,
1.8087

■ 88.7349, 96.7445,
108.6045

Harmonies

Analogous

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



52.2632, 40.9056, 42.1751



49.8180, 40.9056, 27.8241



44.4414, 40.9056, 20.0669

Triad

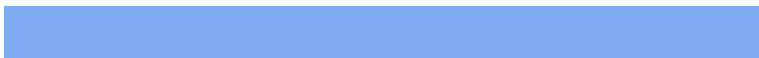
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8180, 40.9056, 27.8241



28.9759, 40.9056, 30.9836



39.7261, 40.9056, 88.9012

Complementary

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



49.8180, 40.9056, 27.8241



51.5038, 63.9550, 89.7505

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.



33.8022, 40.9056, 83.5671



49.8180, 40.9056, 27.8241



28.0013, 40.9056, 46.9901

Square

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



49.8180, 40.9056, 27.8241



32.4933, 40.9056, 21.5151



29.6723, 40.9056, 66.8842



46.0521, 40.9056, 79.9584

Rectangle

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



49.8180, 40.9056, 27.8241



40.1647, 40.9056, 18.1747



29.6723, 40.9056, 66.8842



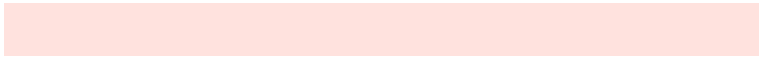
37.6221, 40.9056, 88.7302

Sweetspot

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



49.8190, 40.9076, 27.8249



81.6984, 81.1133, 80.3523



56.8054, 40.3971, 74.8040



17.0485, 16.7388, 16.2699



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.8190, 40.9076, 27.8249



54.2188, 41.5574, 23.7063



59.7053, 60.6801, 31.1203



15.2306, 15.3842, 15.6854



19.4073, 10.5089, 1.0055



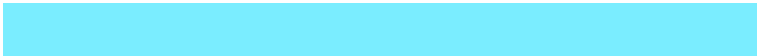
1.5763, 0.9299, 0.0964

Inverse Universe

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



51.5038, 63.9550, 89.7505



56.4081, 71.9374, 105.5200



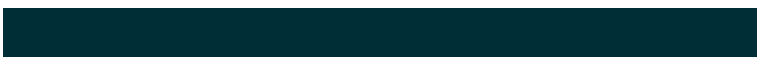
39.8260, 40.5994, 85.8579



15.3329, 16.7522, 19.3476



20.3066, 27.2601, 47.9344



1.6428, 2.2372, 3.7801

Previews

White Background



This preview shows how the XYZ color 49.8180, 40.9056, 27.8241 looks on a white background.

Color Contrast Check

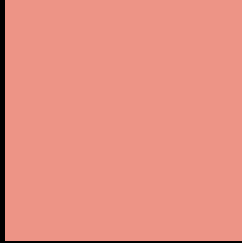
Large Text (above 18pt) WCAG AA × Fail

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 49.8180, 40.9056, 27.8241 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 ✓ Pass

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

XYZ 49.8180, 40.9056, 27.8241

Background



This preview shows how black text looks on a background with the XYZ color 49.8180, 40.9056, 27.8241.



This preview shows how white text looks on a background with the XYZ color 49.8180, 40.9056,

27.8241.

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

49.8180, 40.9056, 27.8241

Protanopia

38.7298, 40.9939, 32.6594

Deuteranopia

41.9090, 41.1055, 27.1980



Tritanopia

51.7228, 41.0018, 36.6405

Trichromacy



Original Color

49.8180, 40.9056, 27.8241

Protanomaly

41.9923, 40.5350, 30.8101

Deuteranomaly

44.5873, 40.9093, 27.3761

Tritanomaly

50.8841, 40.8730, 33.2244

Monochromacy



Original Color

49.8180, 40.9056, 27.8241

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.2984, 40.7899, 38.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8180, 40.9056, 27.8241 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(237, 148, 134)` looks like.

```
.text, #text, p{  
    color:rgb(237, 148, 134)  
}
```

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(237, 148, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 148, 134) }
```

Border

The CSS property to change the border of an element to XYZ 49.8180, 40.9056, 27.8241 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(237, 148, 134) }
```


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

```
.border{ border-color:rgb(237, 148, 134) }
```

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

Here you see how a box with a 4 pixel rgb(237, 148, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 148, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 148, 134);  
box-shadow:4px 4px 4px 4px rgb(237, 148,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8180, 40.9056, 27.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 148, 134) }
```

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

```
.background{ background-color: rgb(237,  
148, 134) }
```

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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