

Converting Colors

XYZ(49.9562, 44.6319, 24.6843)

Have a look what the booklet for
XYZ(49.9562, 44.6319, 24.6843)
contains.

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Color

**XYZ(49.7742, 44.4265,
24.6907)**

Conversions

Conversions Part 1

Format	Color
Hex	E8A27B
RGB	232, 162, 123
RGB Percent	91%, 64%, 48%
CMY	0.0902, 0.3647, 0.5176
CMYK	0.00, 0.30, 0.47, 0.09
HSL	21°, 70%, 70%
HSV	21°, 47%, 91%
XYZ	49.7742, 44.4265, 24.6907
YIQ	178.4840, 54.2390, 2.7110

Conversions

Conversions Part 2

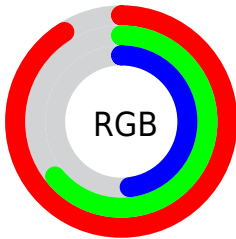
Format	Color
R_{YB}	232, 184, 123
Decimal	15245947
CIE _{Lab}	72.51, 21.50, 30.65
CIE _{LCh}	73, 37.436, 54.950
Yxy	44.4265, 0.4187, 0.3737
Android (android.graphics.Color)	4293436027 (0xFFE8A27B)
YUV	178.4840, -27.3536, 46.9335
Hunter-Lab	66.6532, 16.6542, 24.6941

Details

The XYZ color **49.7742, 44.4265, 24.6907** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.8030, 48.1751, 83.4393**, and the grayscale version is **42.6948, 44.9183, 48.9160**.

A 20% lighter version of the original color is **73.8893, 74.0203, 51.4673**, and **24.2675, 20.6449, 9.1844** is the 20% darker color. If you saturate the color by 10%, you get **46.0198, 38.9731, 17.1034**, and if you desaturate by 10%, it is **54.1859, 50.6438, 34.1957**.

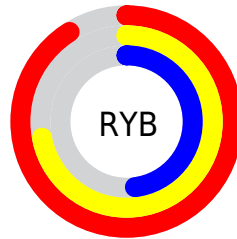
Distribution



Red (91%)

Green (64%)

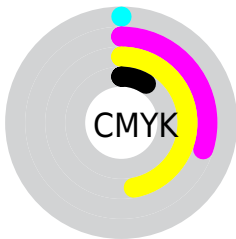
Blue (48%)



Red (91%)

Yellow (72%)

Blue (48%)

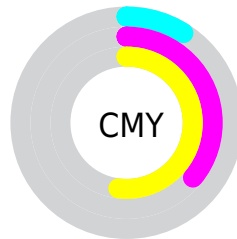


Cyan (0%)

Magenta (30%)

Yellow (47%)

Black (9%)



Cyan (9%)


Magenta (36%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7742, 44.4265, 24.6907 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 49.7742, 44.4265, 24.6907 by changing the saturation by 10% instead.


 49.7742, 44.4265,
24.6907


 49.7742, 44.4265,
24.6907


376.2489,
364.4459, 289.6923

 35.4511, 31.0059,
15.6298


 89.0341, 81.8591,
52.1129

 24.1787, 20.6034,
9.1111


 114.7015,
106.6400, 71.3113

 15.5917, 12.8344,
4.7159


 144.8811,
135.9764, 94.7260

 9.3247, 7.3146,
2.0258

179.9382,
170.2528, 122.7755

 5.0124, 3.6596,
0.5710

220.2382,
209.8536, 155.8783

 2.2894, 1.4850,
0.0000

266.1464,

 0.7892, 0.2782,

255.1631, 194.4530

0.0000

318.0282,
306.5657, 238.9182

■ 0.0000, 0.0000,
0.0000

■ 49.7742, 44.4265,
24.6907

■ 49.7742, 44.4265,
24.6907

■ 46.0198, 38.9731,
17.1034

■ 54.1859, 50.6438,
34.1957

■ 42.8840, 34.2456,
11.2975

■ 59.2840, 57.6478,
45.7366

■ 40.3283, 30.2120,
7.1228


■ 65.1001, 65.4687,
59.4249


■ 38.3078, 26.8349,
4.4025


■ 71.6623, 74.1326,
75.3633

■ 36.7671, 24.0714,
2.9095

■ 78.9973, 83.6648,
93.6478

 36.3734, 23.3453,
2.5890

 85.9490, 93.6165,
108.1475

 87.0886, 95.8958,
108.5274

Harmonies

Analogous

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



54.5283, 44.4265, 34.8565



49.7742, 44.4265, 24.6907



43.3296, 44.4265, 20.8716

Triad

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



49.7742, 44.4265, 24.6907



31.0151, 44.4265, 45.3068



47.6895, 44.4265, 88.3600

Complementary

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



49.7742, 44.4265, 24.6907



41.8030, 48.1751, 83.4393

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.



41.1414, 44.4265, 93.2040



49.7742, 44.4265, 24.6907



31.9290, 44.4265, 64.9971

Square

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



49.7742, 44.4265, 24.6907



32.8457, 44.4265, 30.6740



35.4824, 44.4265, 83.7602



53.2412, 44.4265, 71.8318

Rectangle

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



49.7742, 44.4265, 24.6907



39.0998, 44.4265, 21.4868



35.4824, 44.4265, 83.7602



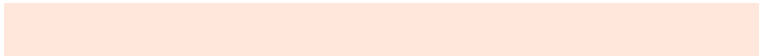
45.5147, 44.4265, 91.5617

Sweetspot

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



49.7753, 44.4287, 24.6916



82.9435, 84.1458, 79.0953



50.0826, 35.2104, 55.1076



17.3897, 17.5279, 16.0547



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.



49.7753, 44.4287, 24.6916



57.3264, 48.7355, 21.7731



61.3202, 67.5185, 28.5399



14.7969, 15.2078, 15.0600



20.3014, 13.1770, 1.4734



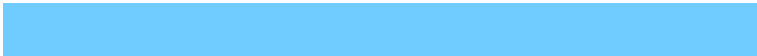
1.5856, 1.1446, 0.1374

Inverse Universe

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



41.8030, 48.1751, 83.4393



46.3266, 53.8160, 102.5536



32.0176, 28.6044, 80.1775



14.3509, 15.4232, 18.3649



14.1742, 15.4105, 44.6106



1.1345, 1.3129, 3.3256

Previews

White Background



This preview shows how the XYZ color 49.7742, 44.4265, 24.6907 looks on a white background.

Color Contrast Check

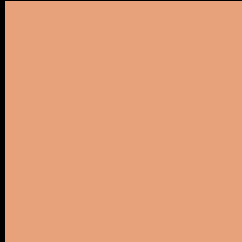
Large Text (above 18pt) WCAG AA × Fail

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 49.7742, 44.4265, 24.6907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

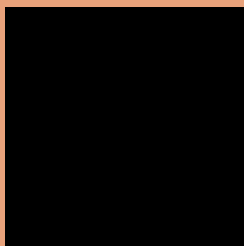
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7742, 44.4265, 24.6907

Background



This preview shows how black text looks on a background with the XYZ color 49.7742, 44.4265, 24.6907.



This preview shows how white text looks on a background with the XYZ color 49.7742, 44.4265,

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

49.7742, 44.4265, 24.6907

Protanopia

41.6879, 44.6590, 27.5419

Deuteranopia

45.4547, 44.6524, 24.3122



Tritanopia

53.5484, 44.4370, 42.8007

Trichromacy



Original Color

49.7742, 44.4265, 24.6907

Protanomaly

44.3154, 44.3028, 26.2943

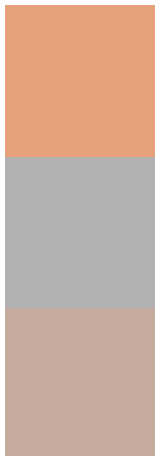
Deuteranomaly

47.0307, 44.6260, 24.5473

Tritanomaly

52.1553, 44.3829, 35.5236

Monochromacy



Original Color

49.7742, 44.4265, 24.6907

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.2128, 43.9794, 38.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7742, 44.4265, 24.6907 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(232, 162, 123)` looks like.

```
.text, #text, p{  
    color:rgb(232, 162, 123)  
}
```

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(232, 162, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 162, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.7742, 44.4265, 24.6907 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(232, 162, 123) }
```


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

```
.border{ border-color:rgb(232, 162, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 162, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 162, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 162, 123);  
box-shadow:4px 4px 4px 4px rgb(232, 162,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7742, 44.4265, 24.6907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 162, 123) }
```

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

```
.background{ background-color: rgb(232,  
162, 123) }
```

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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