

Converting Colors

XYZ(49.6843, 41.6966, 24.2730)

Have a look what the booklet for
XYZ(49.6843, 41.6966, 24.2730)
contains.

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Color

**XYZ(49.5668, 41.5678,
24.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	ED977B
RGB	237, 151, 123
RGB Percent	93%, 59%, 48%
CMY	0.0706, 0.4078, 0.5176
CMYK	0.00, 0.36, 0.48, 0.07
HSL	15°, 76%, 71%
HSV	15°, 48%, 93%
XYZ	49.5668, 41.5678, 24.1498
YIQ	173.5220, 60.2440, 9.5240

Conversions

Conversions Part 2

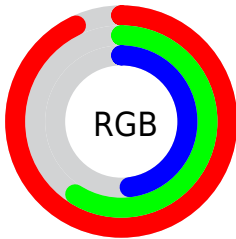
Format	Color
R _Y B	237, 160, 123
Decimal	15570811
CIE Lab	70.57, 29.30, 28.20
CIE LCh	71, 40.667, 43.899
Yxy	41.5678, 0.4300, 0.3606
Android (android.graphics.Color)	4293760891 (0xFFED977B)
YUV	173.5220, -24.9073, 55.6702
Hunter-Lab	64.4731, 24.4026, 22.9228

Details

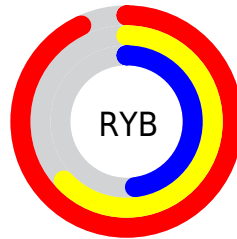
The XYZ color **49.5668, 41.5678, 24.1498** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **46.2537, 55.9237, 88.4770**, and the grayscale version is **40.0899, 42.1777, 45.9316**.

A 20% lighter version of the original color is **71.1478, 68.5372, 50.5534**, and **24.0580, 18.8831, 8.8554** is the 20% darker color. If you saturate the color by 10%, you get **45.5967, 35.7214, 16.3718**, and if you desaturate by 10%, it is **54.3344, 48.4346, 33.9661**.

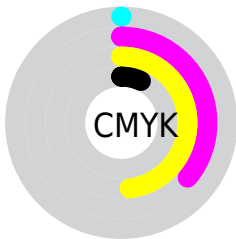
Distribution



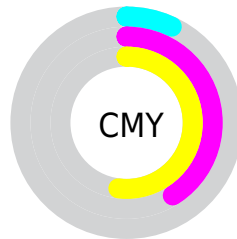
- Red (93%)
- Green (59%)
- Blue (48%)



- Red (93%)
- Yellow (63%)
- Blue (48%)



- Cyan (0%)
- Magenta (36%)
- Yellow (48%)
- Black (7%)





- Cyan (7%)
- Magenta (41%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5668, 41.5678, 24.1498 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 49.5668, 41.5678, 24.1498 by changing the saturation by 10% instead.


 49.5668, 41.5678,
24.1498


 49.5668, 41.5678,
24.1498


375.4495,
352.6882, 286.8879

 35.2857, 28.7630,
15.2316


 88.7284, 77.5451,
51.2214

 24.0506, 18.9016,
8.8336


 114.3395,
101.4864, 70.2119

 15.4961, 11.5992,
4.5375


 144.4581,
129.9086, 93.3969

 9.2569, 6.4714,
1.9246

179.4495,
163.1963, 121.1948

 4.9675, 3.1338,
0.5083

219.6789,
201.7336, 154.0244

 2.2628, 1.2020,
0.0000

265.5118,

 0.7755, 0.0633,

245.9051, 192.3041

0.0000

317.3136,
296.0952, 236.4524

■ 0.0000, 0.0000,
0.0000

■ 49.5668, 41.5678,
24.1498

■ 49.5668, 41.5678,
24.1498

■ 45.5967, 35.7214,
16.3718

■ 54.3344, 48.4346,
33.9661

■ 42.3750, 30.8395,
10.4843

■ 59.9385, 56.3617,
45.9493

■ 39.8518, 26.8700,
6.3232

■ 66.4192, 65.3946,
60.2203

■ 37.9688, 23.7530,
3.6949

■ 73.8128, 75.5739,
76.8902

■ 36.6515, 21.4182,
2.3316

■ 82.1537, 86.9385,
96.0629

■ 36.4492, 21.0530,
2.1426

■ 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.



53.4214, 41.5678, 36.9429



49.5668, 41.5678, 24.1498



43.2008, 41.5678, 18.2094

Triad

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



49.5668, 41.5678, 24.1498



28.3525, 41.5678, 35.7561



42.6937, 41.5678, 91.5064

Complementary

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



49.5668, 41.5678, 24.1498



46.2537, 55.9237, 88.4770

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.



36.0337, 41.5678, 90.9192



49.5668, 41.5678, 24.1498



28.2496, 41.5678, 54.7408

Square

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



49.5668, 41.5678, 24.1498



31.2120, 41.5678, 23.4943



30.9130, 41.5678, 76.0626



49.1595, 41.5678, 77.4929

Rectangle

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



49.5668, 41.5678, 24.1498



38.6372, 41.5678, 17.4753



30.9130, 41.5678, 76.0626



40.3938, 41.5678, 93.1106

Sweetspot

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



49.5678, 41.5699, 24.1506



81.8284, 81.9157, 78.7236



53.6908, 36.8438, 65.5162



17.1203, 16.9891, 15.9649



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.



49.5678, 41.5699, 24.1506



53.7868, 42.0990, 19.2286



60.7162, 63.8667, 27.8667



15.3660, 15.6550, 15.7306



19.9864, 11.6669, 1.1985



1.6432, 1.0637, 0.1187

Inverse Universe

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



46.2537, 55.9237, 88.4770



49.3700, 60.8411, 103.7492



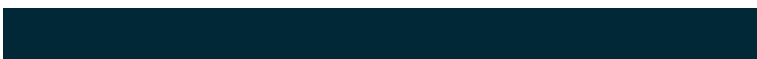
34.9115, 33.2394, 84.6963



15.1861, 16.4585, 19.2987



17.2307, 21.1083, 46.9091



1.4275, 1.8065, 3.7083

Previews

White Background



This preview shows how the XYZ color 49.5668, 41.5678, 24.1498 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 49.5668, 41.5678, 24.1498 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 49.5668, 41.5678, 24.1498

Background



This preview shows how black text looks on a background with the XYZ color 49.5668, 41.5678, 24.1498.



This preview shows how white text looks on a background with the XYZ color 49.5668, 41.5678,

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

49.5668, 41.5678, 24.1498

Protanopia

39.1848, 41.8949, 28.2116

Deuteranopia

42.4800, 41.7503, 23.5890



Tritanopia

52.2999, 41.5174, 37.1554

Trichromacy



Original Color

49.5668, 41.5678, 24.1498

Protanomaly

42.3194, 41.3326, 26.5164

Deuteranomaly

44.8113, 41.6219, 23.7612

Tritanomaly

51.2973, 41.5749, 32.1091

Monochromacy



Original Color

49.5668, 41.5678, 24.1498

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.5786, 41.5093, 36.7783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5668, 41.5678, 24.1498 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, 151, 123)` looks like.

```
.text, #text, p{  
    color:rgb(237, 151, 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(237, 151, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 151, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.5668, 41.5678, 24.1498 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, 151, 123) }
```


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

```
.border{ border-color:rgb(237, 151, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 151, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 151, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 151, 123);  
box-shadow:4px 4px 4px 4px rgb(237, 151,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5668, 41.5678, 24.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 151, 123) }
```

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

```
.background{ background-color: rgb(237,  
151, 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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