

Converting Colors

XYZ(49.7821, 39.6139, 23.7516)

Have a look what the booklet for
XYZ(49.7821, 39.6139, 23.7516)
contains.

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Color

**XYZ(49.8661, 39.6533,
23.7645)**

Conversions

Conversions Part 1

Format	Color
Hex	F28E7B
RGB	242, 142, 123
RGB Percent	95%, 56%, 48%
CMY	0.0510, 0.4431, 0.5176
CMYK	0.00, 0.41, 0.49, 0.05
HSL	10°, 82%, 72%
HSV	10°, 49%, 95%
XYZ	49.8661, 39.6533, 23.7645
YIQ	169.7340, 65.6990, 15.2910

Conversions

Conversions Part 2

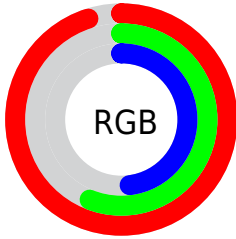
Format	Color
R _Y B	242, 146, 123
Decimal	15896187
CIE Lab	69.22, 35.93, 26.52
CIE LCh	69, 44.657, 36.428
Yxy	39.6533, 0.4402, 0.3500
Android (android.graphics.Color)	4294086267 (0xFFFF28E7B)
YUV	169.7340, -23.0399, 63.3773
Hunter-Lab	62.9709, 31.1536, 21.7042

Details

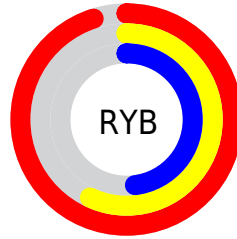
The XYZ color **49.8661, 39.6533, 23.7645** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.5816, 63.3940, 93.5745**, and the grayscale version is **38.1652, 40.1527, 43.7263**.

A 20% lighter version of the original color is **69.0427, 64.3271, 49.8517**, and **24.1836, 17.7518, 8.6304** is the 20% darker color. If you saturate the color by 10%, you get **45.7798, 33.6129, 15.8297**, and if you desaturate by 10%, it is **54.8807, 46.9513, 33.8566**.

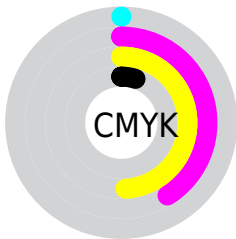
Distribution



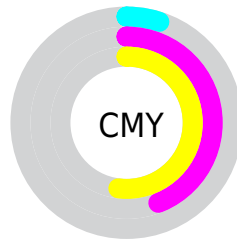
- Red (95%)
- Green (56%)
- Blue (48%)



- Red (95%)
- Yellow (57%)
- Blue (48%)



- Cyan (0%)
- Magenta (41%)
- Yellow (49%)
- Black (5%)





- Cyan (5%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8661, 39.6533, 23.7645 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 49.8661, 39.6533, 23.7645 by changing the saturation by 10% instead.


 49.8661, 39.6533,
23.7645


 49.8661, 39.6533,
23.7645


376.6027,
344.6601, 284.8758


 35.5244, 27.2683,
14.9484


 89.1695, 74.6353,
50.5846

 24.2355, 17.7748,
8.6370


 114.8618, 98.0011,
69.4258

 15.6341, 10.7885,
4.4116

 145.0684,
125.7960, 92.4457

 9.3548, 5.9248,
1.8538

180.1546,
158.4043, 120.0629

 5.0323, 2.7994,
0.4631

220.4858,
196.2105, 152.6960

 2.3012, 1.0279,
0.0000

266.4273,

 0.7953, 0.0000,

239.5989, 190.7635

0.0000

318.3445,
288.9540, 234.6839

■ 0.0000, 0.0000,
0.0000

■ 49.8661, 39.6533,
23.7645

■ 49.8661, 39.6533,
23.7645

■ 45.7798, 33.6129,
15.8297

■ 54.8807, 46.9513,
33.8566

■ 42.5607, 28.7527,
9.8919

■ 60.8737, 55.5665,
46.2459

■ 40.1448, 24.9961,
5.7721

■ 67.8950, 65.5619,
61.0631

■ 38.4576, 22.2547,
3.2578

■ 75.9901, 76.9947,
78.4284

■ 37.3988, 20.4217,
2.0281

■ 85.2020, 89.9187,
98.4542

■ 37.3319, 20.3054,
1.9517

■ 90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



53.0650, 39.6533, 38.9167



49.8661, 39.6533, 23.7645



43.4577, 39.6533, 16.2119

Triad

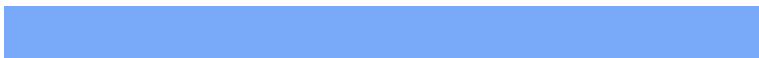
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8661, 39.6533, 23.7645



26.4423, 39.6533, 29.2689



39.2492, 39.6533, 95.2983

Complementary

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



49.8661, 39.6533, 23.7645



50.5816, 63.3940, 93.5745

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.



32.4553, 39.6533, 90.2415



49.8661, 39.6533, 23.7645



25.6138, 39.6533, 47.7346

Square

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



49.8661, 39.6533, 23.7645



30.1020, 39.6533, 18.6156



27.6761, 39.6533, 71.0245



46.4550, 39.6533, 83.2269

Rectangle

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



49.8661, 39.6533, 23.7645



38.5522, 39.6533, 14.5987



27.6761, 39.6533, 71.0245



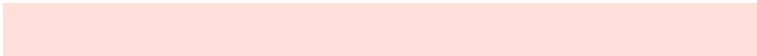
36.8394, 39.6533, 95.5885

Sweetspot

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



49.8671, 39.6553, 23.7652



80.0819, 78.9568, 76.4947



57.1758, 38.4334, 75.0325



16.7391, 16.3318, 15.5138



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.



49.8671, 39.6553, 23.7652



51.5616, 37.8605, 17.8339



60.9285, 61.7782, 27.4524



15.9767, 16.1665, 16.4281



20.1188, 11.0357, 1.0697



1.7337, 1.0381, 0.1090

Inverse Universe

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



50.5816, 63.3940, 93.5745



52.3908, 67.3317, 104.8428



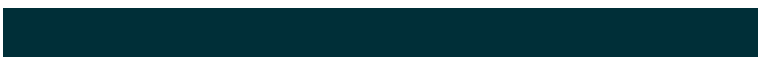
37.5877, 37.4062, 89.2432



16.0199, 17.4739, 20.2501



20.2112, 26.6466, 49.2059



1.7384, 2.3308, 4.1125

Previews

White Background



This preview shows how the XYZ color 49.8661, 39.6533, 23.7645 looks on a white background.

Color Contrast Check

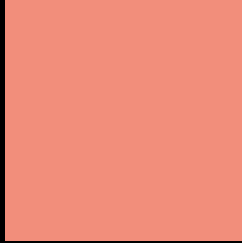
Large Text (above 18pt) WCAG AA × Fail

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 49.8661, 39.6533, 23.7645 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 49.8661, 39.6533, 23.7645

Background



This preview shows how black text looks on a background with the XYZ color 49.8661, 39.6533, 23.7645.



This preview shows how white text looks on a background with the XYZ color 49.8661, 39.6533,

23.7645.

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

49.8661, 39.6533, 23.7645

Protanopia

37.3835, 39.8285, 28.6390

Deuteranopia

40.6072, 39.7291, 22.9810



Tritanopia

51.7420, 39.5482, 32.9234

Trichromacy



Original Color

49.8661, 39.6533, 23.7645

Protanomaly

41.1235, 39.1315, 26.8584

Deuteranomaly

43.7268, 39.5505, 23.0987

Tritanomaly

50.8550, 39.3840, 29.3476

Monochromacy



Original Color

49.8661, 39.6533, 23.7645

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.0855, 39.1773, 35.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8661, 39.6533, 23.7645 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(242, 142, 123)` looks like.

```
.text, #text, p{  
    color:rgb(242, 142, 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(242, 142, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 142, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.8661, 39.6533, 23.7645 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(242, 142, 123) }
```


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

```
.border{ border-color:rgb(242, 142, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 142, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 142, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 142, 123);  
box-shadow:4px 4px 4px 4px rgb(242, 142,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8661, 39.6533, 23.7645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 142, 123) }
```

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

```
.background{ background-color: rgb(242,  
142, 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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