

Converting Colors

XYZ(49.5551, 40.0540, 23.8562)

Have a look what the booklet for
XYZ(49.5551, 40.0540, 23.8562)
contains.

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Color

**XYZ(49.6357, 40.2061,
23.8834)**

Conversions

Conversions Part 1

Format	Color
Hex	F0917B
RGB	240, 145, 123
RGB Percent	94%, 57%, 48%
CMY	0.0588, 0.4313, 0.5176
CMYK	0.00, 0.40, 0.49, 0.06
HSL	11°, 80%, 71%
HSV	11°, 49%, 94%
XYZ	49.6357, 40.2061, 23.8834
YIQ	170.8970, 63.6820, 13.2980

Conversions

Conversions Part 2

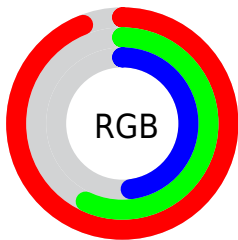
Format	Color
R_{YB}	240, 150, 123
Decimal	15765883
CIE Lab	69.62, 33.61, 27.00
CIE LCh	70, 43.110, 38.773
Yxy	40.2061, 0.4365, 0.3535
Android (android.graphics.Color)	4293955963 (0xFFFF0917B)
YUV	170.8970, -23.6132, 60.6033
Hunter-Lab	63.4083, 28.7645, 22.0536

Details

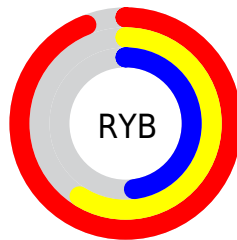
The XYZ color **49.6357, 40.2061, 23.8834** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.9666, 60.6422, 91.5620**, and the grayscale version is **38.7504, 40.7684, 44.3968**.

A 20% lighter version of the original color is **69.7307, 65.7031, 50.0811**, and **23.9728, 18.0264, 8.6945** is the 20% darker color. If you saturate the color by 10%, you get **45.5869, 34.2255, 16.0082**, and if you desaturate by 10%, it is **54.5654, 47.3594, 33.8697**.

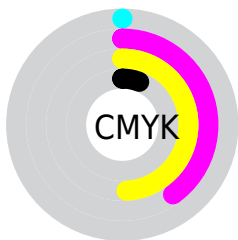
Distribution



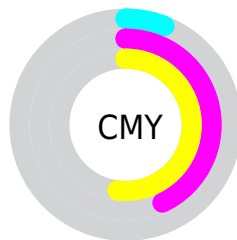
- Red (94%)
- Green (57%)
- Blue (48%)



- Red (94%)
- Yellow (59%)
- Blue (48%)



- Cyan (0%)
- Magenta (40%)
- Yellow (49%)
- Black (6%)





- Cyan (6%)
- Magenta (43%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6357, 40.2061, 23.8834 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 49.6357, 40.2061, 23.8834 by changing the saturation by 10% instead.


 49.6357, 40.2061,
23.8834


 49.6357, 40.2061,
23.8834

375.7152,
346.9915, 285.4980

 35.3406, 27.6993,
15.0357


 88.8299, 75.4773,
50.7813

 24.0931, 18.0991,
8.6976


 114.4598, 99.0104,
69.6686

 15.5278, 11.0212,
4.4503


 144.5987,
126.9877, 92.7396

 9.2794, 6.0811,
1.8755

179.6119,
159.7937, 120.4128

 4.9824, 2.8944,
0.4771

219.8648,
197.8126, 153.1066

 2.2716, 1.0769,
0.0000

265.7227,

 0.7801, 0.0000,

241.4290, 191.2398

0.0000

317.5511,
291.0271, 235.2307

■ 0.0000, 0.0000,
0.0000

■ 49.6357, 40.2061,
23.8834

■ 49.6357, 40.2061,
23.8834

■ 45.5869, 34.2255,
16.0082

■ 54.5654, 47.3594,
33.8697

■ 42.3627, 29.3484,
10.0889

■ 60.4219, 55.7376,
46.1026

■ 39.9044, 25.5078,
5.9524

■ 67.2513, 65.3971,
60.7089

■ 38.1438, 22.6261,
3.3939

■ 75.0959, 76.3887,
77.8052

■ 36.9912, 20.6112,
2.1149

■ 83.9951, 88.7608,
97.5005

■ 36.8788, 20.4126,
1.9963

■ 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



53.0373, 40.2061, 38.1844



49.6357, 40.2061, 23.8834



43.2716, 40.2061, 16.8747

Triad

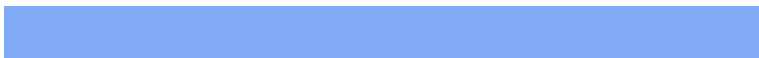
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.6357, 40.2061, 23.8834



27.0409, 40.2061, 31.3073



40.2939, 40.2061, 93.6772

Complementary

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



49.6357, 40.2061, 23.8834



48.9666, 60.6422, 91.5620

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.



33.5680, 40.2061, 90.1465



49.6357, 40.2061, 23.8834



26.4482, 40.2061, 49.8919

Square

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



49.6357, 40.2061, 23.8834



30.4264, 40.2061, 20.1665



28.6955, 40.2061, 72.4575



47.2300, 40.2061, 81.0057

Rectangle

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



49.6357, 40.2061, 23.8834



38.5022, 40.2061, 15.5380



28.6955, 40.2061, 72.4575



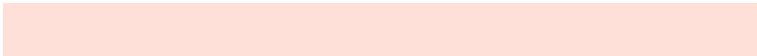
37.9286, 40.2061, 94.4097

Sweetspot

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



49.6367, 40.2081, 23.8842



80.3725, 79.5380, 76.5916



55.7452, 37.7823, 71.0622



16.8082, 16.4700, 15.5368



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.



49.6367, 40.2081, 23.8842



52.5516, 39.6285, 18.8168



60.8544, 62.6436, 27.6234



16.0133, 16.2398, 16.4403



20.2588, 11.3157, 1.1164



1.7511, 1.0728, 0.1148

Inverse Universe

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



48.9666, 60.6422, 91.5620



51.6445, 65.3901, 104.5073



36.4763, 35.6615, 87.3986



15.9799, 17.3940, 20.2367



19.3681, 24.9604, 48.9249



1.6757, 2.2054, 4.0916

Previews

White Background



This preview shows how the XYZ color 49.6357, 40.2061, 23.8834 looks on a white background.

Color Contrast Check

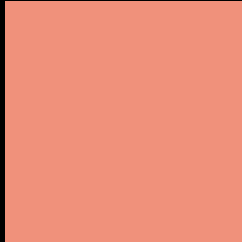
Large Text (above 18pt) WCAG AA × Fail

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 49.6357, 40.2061, 23.8834 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 49.6357, 40.2061, 23.8834

Background



This preview shows how black text looks on a background with the XYZ color 49.6357, 40.2061, 23.8834.



This preview shows how white text looks on a background with the XYZ color 49.6357, 40.2061,

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

49.6357, 40.2061, 23.8834

Protanopia

37.7339, 40.2944, 28.3431

Deuteranopia

41.1160, 40.2470, 23.3707



Tritanopia

51.7287, 40.1614, 34.3037

Trichromacy



Original Color

49.6357, 40.2061, 23.8834

Protanomaly

41.1313, 39.6580, 26.6060

Deuteranomaly

43.6586, 39.7563, 23.4618

Tritanomaly

50.7563, 39.9699, 30.2391

Monochromacy



Original Color

49.6357, 40.2061, 23.8834

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.5180, 39.9095, 36.0869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6357, 40.2061, 23.8834 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(240, 145, 123)` looks like.

```
.text, #text, p{  
    color:rgb(240, 145, 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(240, 145, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 145, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.6357, 40.2061, 23.8834 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(240, 145, 123) }
```


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

```
.border{ border-color:rgb(240, 145, 123) }
```

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

Here you see how a box with a 4 pixel rgb(240, 145, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 145, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 145, 123);  
box-shadow:4px 4px 4px 4px rgb(240, 145,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6357, 40.2061, 23.8834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 145, 123) }
```

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

```
.background{ background-color: rgb(240,  
145, 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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