

Converting Colors

XYZ(40.8359, 37.9720, 25.7115)

Have a look what the booklet for
XYZ(40.8359, 37.9720, 25.7115)
contains.

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Color

**XYZ(40.7945, 37.9803,
25.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9B80
RGB	205, 155, 128
RGB Percent	80%, 61%, 50%
CMY	0.1961, 0.3921, 0.4980
CMYK	0.00, 0.24, 0.38, 0.20
HSL	21°, 44%, 65%
HSV	21°, 38%, 80%
XYZ	40.7945, 37.9803, 25.6029
YIQ	166.8720, 38.4670, 2.2030

Conversions

Conversions Part 2

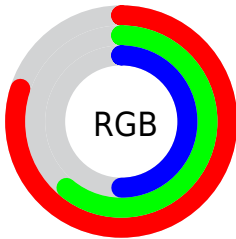
Format	Color
R_{YB}	205, 170, 128
Decimal	13474688
CIE Lab	68.01, 15.06, 21.39
CIE LCh	68, 26.165, 54.849
Yxy	37.9803, 0.3908, 0.3639
Android (android.graphics.Color)	4291664768 (0xFFCD9B80)
YUV	166.8720, -19.1639, 33.4383
Hunter-Lab	61.6282, 10.3080, 18.5082

Details

The XYZ color **40.7945, 37.9803, 25.6029** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.8415, 40.8365, 63.7510**, and the grayscale version is **36.7463, 38.6600, 42.1007**.

A 20% lighter version of the original color is **72.6271, 70.6894, 53.5326**, and **18.7560, 16.8547, 9.6619** is the 20% darker color. If you saturate the color by 10%, you get **37.4848, 33.3065, 18.5017**, and if you desaturate by 10%, it is **44.6230, 43.2552, 34.2227**.

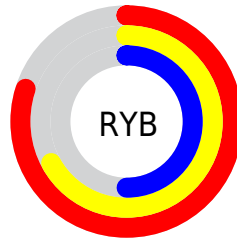
Distribution



Red (80%)

Green (61%)

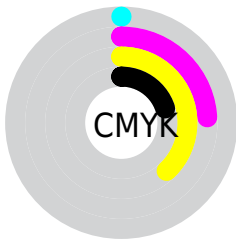
Blue (50%)



Red (80%)

Yellow (67%)

Blue (50%)

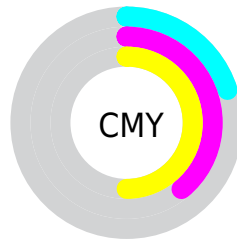


Cyan (0%)

Magenta (24%)

Yellow (38%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7945, 37.9803, 25.6029 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 40.7945, 37.9803, 25.6029 by changing the saturation by 10% instead.


 40.7945, 37.9803,
25.6029


 40.7945, 37.9803,
25.6029


340.5383,
337.5355, 294.3705


 28.3455, 25.9674,
16.3037

 75.6485, 72.0779,
53.6098

 18.7281, 16.7993,
9.5826


 98.7843, 94.9315,
73.1546

 11.5768, 10.0915,
5.0212


 126.2130,
122.1673, 96.9517

 6.5263, 5.4596,
2.2007

158.3000,
154.1699, 125.4197

 3.2114, 2.5194,
0.6748

195.4106,
191.3236, 158.9770

 1.2665, 0.8863,
0.0000

237.9104,

 0.1579, 0.0000,

234.0129, 198.0422

0.0000

286.1644,
282.6220, 243.0338

■ 0.0000, 0.0000,
0.0000

■ 40.7945, 37.9803,
25.6029

■ 40.7945, 37.9803,
25.6029

■ 37.4848, 33.3065,
18.5017

■ 44.6230, 43.2552,
34.2227

■ 34.6666, 29.2060,
12.8273

■ 48.9900, 49.1468,
44.4410

■ 32.3142, 25.6566,
8.4812

■ 53.9177, 55.6771,
56.3350

■ 30.3982, 22.6326,
5.3513

■ 59.4262, 62.8649,
69.9758

■ 28.8848, 20.1054,
3.3066

■ 65.5344, 70.7287,
85.4306

■ 27.7300, 18.0415,
2.1644

■ 72.2605, 79.2858,
102.7632

■ 27.4874, 17.6002,
1.9484

■ 76.8495, 87.4443,
107.4358

■ 78.9869, 91.7192,
108.1483

Harmonies

Analogous

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



43.6758, 37.9803, 32.6329



40.7945, 37.9803, 25.6029



36.8062, 37.9803, 22.8082

Triad

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



40.7945, 37.9803, 25.6029



28.8527, 37.9803, 39.3745



39.4885, 37.9803, 65.2064

Complementary

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



40.7945, 37.9803, 25.6029



35.8415, 40.8365, 63.7510

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.



35.4011, 37.9803, 67.9319



40.7945, 37.9803, 25.6029



29.4536, 37.9803, 51.5052

Square

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



40.7945, 37.9803, 25.6029



30.0713, 37.9803, 29.7466



31.7786, 37.9803, 62.5185



42.8830, 37.9803, 55.6455

Rectangle

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



40.7945, 37.9803, 25.6029



34.1306, 37.9803, 23.2536



31.7786, 37.9803, 62.5185



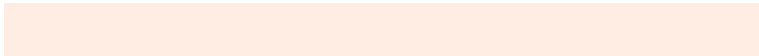
38.1420, 37.9803, 67.0200

Sweetspot

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



40.7955, 37.9821, 25.6037



85.3208, 87.2485, 84.9806



40.9372, 31.6343, 46.0945



18.0230, 18.3581, 17.6108



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.



40.7955, 37.9821, 25.6037



62.4131, 56.0028, 32.4278



48.2430, 52.8771, 28.0862



11.5288, 11.8465, 11.7584



17.1931, 11.1191, 1.2400



0.9579, 0.7154, 0.0876

Inverse Universe

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



35.8415, 40.8365, 63.7510



53.1460, 61.2943, 103.6376



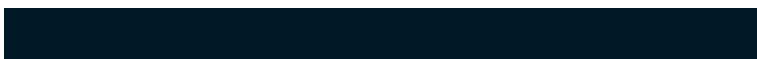
29.2344, 27.6224, 61.5486



11.1993, 12.0390, 14.3039



12.1827, 13.3894, 37.8986



0.6980, 0.8298, 1.9783

Previews

White Background



This preview shows how the XYZ color 40.7945, 37.9803, 25.6029 looks on a white background.

Color Contrast Check

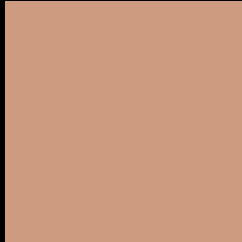
Large Text (above 18pt) WCAG AA × Fail

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 40.7945, 37.9803, 25.6029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

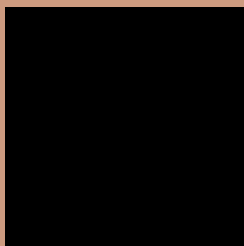
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7945, 37.9803, 25.6029

Background



This preview shows how black text looks on a background with the XYZ color 40.7945, 37.9803, 25.6029.



This preview shows how white text looks on a background with the XYZ color 40.7945, 37.9803,

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

40.7945, 37.9803, 25.6029

Protanopia

35.7744, 38.1960, 27.6774

Deuteranopia

38.7346, 37.9307, 25.3585



Tritanopia

43.4404, 37.8312, 39.1950

Trichromacy



Original Color

40.7945, 37.9803, 25.6029

Protanomaly

37.5106, 38.0441, 26.8390

Deuteranomaly

39.6108, 38.1281, 25.3504

Tritanomaly

42.4654, 37.9239, 33.9360

Monochromacy



Original Color

40.7945, 37.9803, 25.6029

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.9030, 38.3181, 35.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7945, 37.9803, 25.6029 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(205, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(205, 155, 128)  
}
```

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(205, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 155, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.7945, 37.9803, 25.6029 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(205, 155, 128) }
```


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

```
.border{ border-color:rgb(205, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 155, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 155, 128);  
box-shadow:4px 4px 4px 4px rgb(205, 155,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7945, 37.9803, 25.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 155, 128) }
```

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

```
.background{ background-color: rgb(205,  
155, 128) }
```

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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