

Converting Colors

XYZ(40.2126, 40.1538, 47.5313)

Have a look what the booklet for
XYZ(40.2126, 40.1538, 47.5313)
contains.

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Color

**XYZ(40.2625, 40.0705,
47.7318)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A6B2
RGB	179, 166, 178
RGB Percent	70%, 65%, 70%
CMY	0.2980, 0.3490, 0.3020
CMYK	0.00, 0.07, 0.01, 0.30
HSL	305°, 8%, 68%
HSV	305°, 7%, 70%
XYZ	40.2625, 40.0705, 47.7318
YIQ	171.2550, 3.8960, 6.4880

Conversions

Conversions Part 2

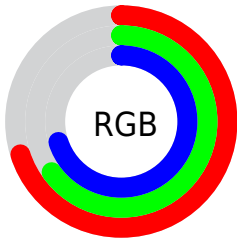
Format	Color
RYB	179, 166, 178
Decimal	11773618
CIELab	69.52, 6.89, -4.48
CIElCh	70, 8.222, 326.960
Yxy	40.0705, 0.3144, 0.3129
Android (android.graphics.Color)	4289963698 (0xFFB3A6B2)
YUV	171.2550, 3.3253, 6.7924
Hunter-Lab	63.3013, 2.7570, -0.3963

Details

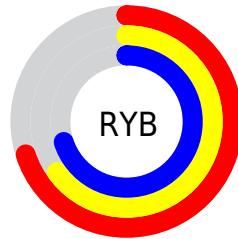
The XYZ color **40.2625, 40.0705, 47.7318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8226, 43.1383, 42.8416**, and the grayscale version is **38.8202, 40.8419, 44.4768**.

A 20% lighter version of the original color is **74.9687, 75.3156, 88.4280**, and **18.3232, 17.9509, 21.9012** is the 20% darker color. If you saturate the color by 10%, you get **37.0953, 33.9557, 45.9977**, and if you desaturate by 10%, it is **43.8863, 47.0951, 49.6260**.

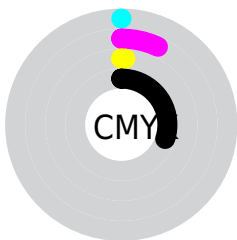
Distribution



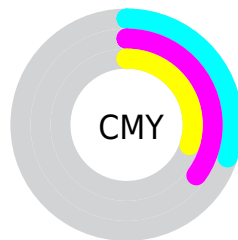
- Red (70%)
- Green (65%)
- Blue (70%)



- Red (70%)
- Yellow (65%)
- Blue (70%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (30%)



- Cyan (30%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2625, 40.0705, 47.7318 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 40.2625, 40.0705, 47.7318 by changing the saturation by 10% instead.

■ 40.2625, 40.0705,
47.7318

■ 40.2625, 40.0705,
47.7318

338.3442,
346.4206, 394.2061

■ 27.9284, 27.5935,
33.2561

■ 74.8449, 75.2709,
88.1663

■ 18.4119, 18.0195,
22.0500

■ 97.8239, 98.7630,
114.9622

■ 11.3476, 10.9640,
13.6949

125.0818,
126.6957, 146.7019

■ 6.3701, 6.0426,
7.7725

156.9842,
159.4533, 183.8039

■ 3.1142, 2.8710,
3.8640

193.8962,
197.4202, 226.6868

■ 1.2144, 1.0648,
1.5511

236.1833,

■ 0.1177, 0.0000,

240.9808, 275.7691

0.2555

284.2109,
290.5195, 331.4693

■ 0.0000, 0.0000,
0.0000

■ 40.2625, 40.0705,
47.7318

■ 40.2625, 40.0705,
47.7318

■ 37.0953, 33.9557,
45.9977

■ 43.8863, 47.0951,
49.6260

■ 34.3626, 28.7083,
44.4147

■ 47.9808, 55.0594,
51.6834

■ 32.0457, 24.2903,
42.9772

■ 52.5636, 63.9982,
53.9105

■ 30.1231, 20.6588,
41.6779

■ 57.6507, 73.9432,
56.3126

■ 28.5716, 17.7671,
40.5090

■ 63.0957, 84.6019,
58.8409

■ 27.3652, 15.5635,
39.4620

■ 63.2418, 84.6603,
59.6099

■ 26.4749, 13.9899,
38.5270

■ 63.3892, 84.7193,
60.3863

■ 25.8667, 12.9782,
37.6928

■ 63.5381, 84.7788,
61.1701

■ 25.4907, 12.4290,
36.9427

■ 63.6883, 84.8389,
61.9615

Harmonies

Analogous

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



39.2530, 40.0705, 50.4645



40.2625, 40.0705, 47.7318



40.6880, 40.0705, 44.0182

Triad

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



40.2625, 40.0705, 47.7318



38.2211, 40.0705, 36.7395



35.8590, 40.0705, 47.0235

Complementary

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



40.2625, 40.0705, 47.7318



38.8226, 43.1383, 42.8416

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.



35.5970, 40.0705, 43.2440



40.2625, 40.0705, 47.7318



36.9420, 40.0705, 37.4421

Square

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



40.2625, 40.0705, 47.7318



39.4923, 40.0705, 37.7928



35.9890, 40.0705, 39.7701



36.7131, 40.0705, 50.0392

Rectangle

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



40.2625, 40.0705, 47.7318



40.5760, 40.0705, 41.5352



35.9890, 40.0705, 39.7701



35.6997, 40.0705, 45.7940

Sweetspot

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



40.2637, 40.0722, 47.7327



75.3979, 78.1351, 87.2231



37.6828, 38.7301, 48.1380



16.7199, 17.3409, 19.3324



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2637, 40.0722, 47.7327



70.9756, 69.5731, 84.8777



39.6392, 39.8224, 44.4441



8.8213, 8.6352, 10.5572



17.9616, 8.7022, 26.0214



0.5734, 0.2771, 0.8624

Inverse Universe

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



40.2637, 40.0722, 47.7327



70.9756, 69.5731, 84.8777



39.4257, 43.3795, 46.0178



8.8213, 8.6352, 10.5572



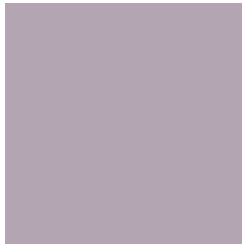
17.9616, 8.7022, 26.0214



0.5734, 0.2771, 0.8624

Previews

White Background



This preview shows how the XYZ color 40.2625, 40.0705, 47.7318 looks on a white background.

Color Contrast Check

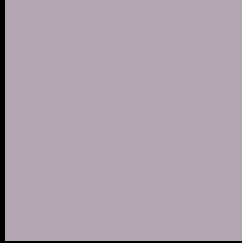
Large Text (above 18pt) WCAG AA × Fail

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 40.2625, 40.0705, 47.7318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

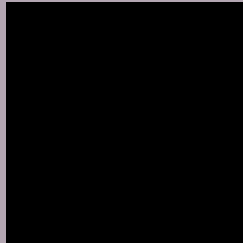
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2625, 40.0705, 47.7318

Background



This preview shows how black text looks on a background with the XYZ color 40.2625, 40.0705, 47.7318.



This preview shows how white text looks on a background with the XYZ color 40.2625, 40.0705,

47.7318.

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

40.2625, 40.0705, 47.7318

Protanopia

39.0037, 40.2173, 48.8870

Deuteranopia

40.7824, 40.0697, 47.7042



Tritanopia

40.3633, 40.1108, 48.2626

Trichromacy



Original Color

40.2625, 40.0705, 47.7318

Protanomaly

39.3729, 40.1442, 48.3213

Deuteranomaly

40.5471, 39.9484, 47.6932

Tritanomaly

40.3633, 40.1108, 48.2626

Monochromacy



Original Color

40.2625, 40.0705, 47.7318

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.2835, 40.4306, 45.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2625, 40.0705, 47.7318 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(179, 166, 178)` looks like.

```
.text, #text, p{  
    color:rgb(179, 166, 178)  
}
```

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(179, 166, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 166, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.2625, 40.0705, 47.7318 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(179, 166, 178) }
```


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

```
.border{ border-color:rgb(179, 166, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 166, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 166, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 166, 178);  
box-shadow:4px 4px 4px 4px rgb(179, 166,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2625, 40.0705, 47.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 166, 178) }
```

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

```
.background{ background-color: rgb(179,  
166, 178) }
```

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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