

Converting Colors

XYZ(37.7215, 40.0767, 49.0087)

Have a look what the booklet for
XYZ(37.7215, 40.0767, 49.0087)
contains.

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Color

**XYZ(37.7014, 40.1025,
48.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	A2ABB4
RGB	162, 171, 180
RGB Percent	64%, 67%, 71%
CMY	0.3647, 0.3294, 0.2941
CMYK	0.10, 0.05, 0.00, 0.29
HSL	210°, 11%, 67%
HSV	210°, 10%, 71%
XYZ	37.7014, 40.1025, 48.9335
YIQ	169.3350, -8.2530, 0.8910

Conversions

Conversions Part 2

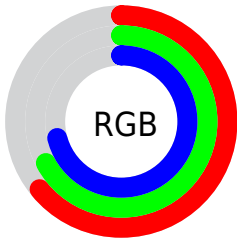
Format	Color
R_{YB}	162, 168, 180
Decimal	10660788
CIE _{Lab}	69.54, -1.34, -5.71
CIE _{LCh}	70, 5.864, 256.766
Yxy	40.1025, 0.2975, 0.3164
Android (android.graphics.Color)	4288850868 (0xFFA2ABB4)
YUV	169.3350, 5.2578, -6.4328
Hunter-Lab	63.3265, -4.5516, -1.4858

Details

The XYZ color **37.7014, 40.1025, 48.9335** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9070, 41.4374, 40.0779**, and the grayscale version is **37.8566, 39.8281, 43.3728**.

A 20% lighter version of the original color is **70.9519, 75.2006, 90.1325**, and **16.8580, 18.0410, 22.6724** is the 20% darker color. If you saturate the color by 10%, you get **32.6617, 35.0677, 48.2279**, and if you desaturate by 10%, it is **43.3826, 45.6419, 49.7039**.

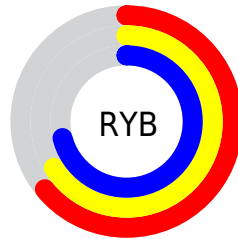
Distribution



Red (64%)

Green (67%)

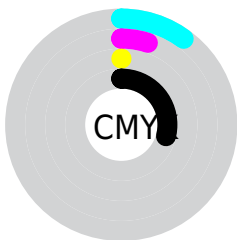
Blue (71%)



Red (64%)

Yellow (66%)

Blue (71%)

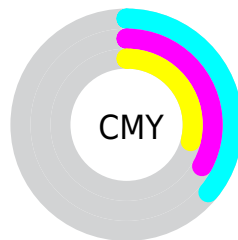


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7014, 40.1025, 48.9335 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 37.7014, 40.1025, 48.9335 by changing the saturation by 10% instead.

■ 37.7014, 40.1025,
48.9335

■ 37.7014, 40.1025,
48.9335

327.6404,
346.5554, 399.0954

■ 25.9272, 27.6185,
34.2015

■ 70.9571, 75.3196,
89.9726

■ 16.9016, 18.0383,
22.7698

■ 93.1693, 98.8214,
117.1169

■ 10.2592, 10.9775,
14.2199

119.5915,
126.7646, 149.2356

■ 5.6347, 6.0517,
8.1333

150.5891,
159.5336, 186.7473

■ 2.6628, 2.8765,
4.0914

186.5274,
197.5128, 230.0706

■ 0.9781, 1.0676,
1.6756

227.7718,

■ 0.0000, 0.0000,

241.0866, 279.6241

0.3439

274.6877,
290.6393, 335.8261

■ 0.0000, 0.0000,
0.0000

■ 37.7014, 40.1025,
48.9335

■ 37.7014, 40.1025,
48.9335

■ 32.6617, 35.0677,
48.2279

■ 43.3826, 45.6419,
49.7039

■ 28.2354, 30.5165,
47.5828

■ 49.7248, 51.6959,
50.5382

■ 24.3979, 26.4337,
46.9969

■ 56.7509, 58.2809,
51.4389

■ 21.1209, 22.8011,
46.4685

■ 64.4818, 65.4105,
52.4076

■ 18.3739, 19.5992,
45.9953

■ 72.9374, 73.0981,
53.4458

■ 16.1233, 16.8068,
45.5749

■ 76.4003, 78.3993,
54.2865

■ 14.3308, 14.4003,
45.2049

■ 78.8970, 83.3927,
55.1187

■ 12.9520, 12.3524,
44.8822

■ 81.5238, 88.6462,
55.9943

■ 11.8969, 10.6124,
44.6020

■ 84.2825, 94.1637,
56.9139

Harmonies

Analogous

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



36.8840, 40.1025, 47.5703



37.7014, 40.1025, 48.9335



38.6432, 40.1025, 48.8439

Triad

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



37.7014, 40.1025, 48.9335



39.8841, 40.1025, 42.1796



36.8066, 40.1025, 40.1935

Complementary

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



37.7014, 40.1025, 48.9335



39.9070, 41.4374, 40.0779

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.



37.5940, 40.1025, 38.8654



37.7014, 40.1025, 48.9335



39.3755, 40.1025, 39.9791

Square

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



37.7014, 40.1025, 48.9335



39.9140, 40.1025, 44.8680



38.5341, 40.1025, 38.7886



36.3732, 40.1025, 42.4833

Rectangle

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



37.7014, 40.1025, 48.9335



39.2151, 40.1025, 47.9714



38.5341, 40.1025, 38.7886



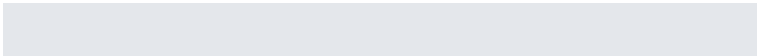
37.0381, 40.1025, 39.6240

Sweetspot

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



37.7026, 40.1042, 48.9344



75.3927, 79.5953, 89.6844



38.5443, 43.2534, 44.6962



16.1139, 17.0273, 19.3596



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.



37.7026, 40.1042, 48.9344



66.2479, 70.6252, 88.4350



36.1124, 36.9238, 48.4043



8.3814, 8.9089, 10.7842



8.3704, 7.5412, 31.1514



0.3217, 0.3540, 0.9996

Inverse Universe

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



39.0943, 38.4850, 43.8979



69.2967, 67.1481, 77.3861



41.6054, 44.8341, 40.6441



8.6677, 8.5738, 9.7485



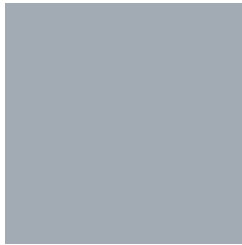
14.4596, 7.3014, 7.5804



0.4844, 0.2415, 0.3936

Previews

White Background



This preview shows how the XYZ color 37.7014, 40.1025, 48.9335 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 37.7014, 40.1025, 48.9335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

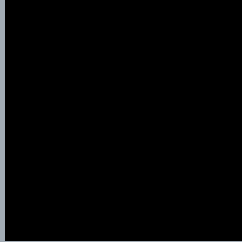
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

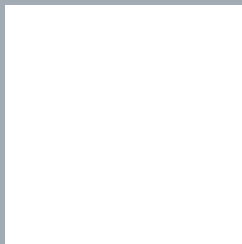
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7014, 40.1025, 48.9335

Background



This preview shows how black text looks on a background with the XYZ color 37.7014, 40.1025, 48.9335.

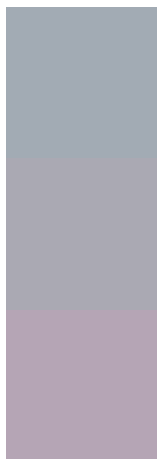


This preview shows how white text looks on a background with the XYZ color 37.7014, 40.1025,

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

37.7014, 40.1025, 48.9335

Protanopia

38.9022, 40.1767, 48.3523

Deuteranopia

40.8517, 40.0702, 49.2973



Tritanopia

38.1307, 39.9967, 51.0578

Trichromacy



Original Color

37.7014, 40.1025, 48.9335

Protanomaly

38.4478, 40.2196, 48.3846

Deuteranomaly

39.6148, 39.9723, 49.3436

Tritanomaly

38.0262, 39.9549, 50.5076

Monochromacy



Original Color

37.7014, 40.1025, 48.9335

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.6434, 39.8736, 45.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7014, 40.1025, 48.9335 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(162, 171, 180)` looks like.

```
.text, #text, p{  
    color:rgb(162, 171, 180)  
}
```

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(162, 171, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 171, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.7014, 40.1025, 48.9335 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(162, 171, 180) }
```


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

```
.border{ border-color:rgb(162, 171, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 171, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 171, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 171, 180);  
box-shadow:4px 4px 4px 4px rgb(162, 171,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7014, 40.1025, 48.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 171, 180) }
```

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

```
.background{ background-color: rgb(162,  
171, 180) }
```

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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