

Converting Colors

XYZ(40.1658, 37.3282, 46.6995)

Have a look what the booklet for
XYZ(40.1658, 37.3282, 46.6995)
contains.

XYZ(40.3178, 37.5161, 46.7113)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.3178, 37.5161,
46.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9CB1
RGB	187, 156, 177
RGB Percent	73%, 61%, 69%
CMY	0.2667, 0.3882, 0.3059
CMYK	0.00, 0.17, 0.05, 0.27
HSL	319°, 19%, 67%
HSV	319°, 17%, 73%
XYZ	40.3178, 37.5161, 46.7113
YIQ	167.6630, 11.7350, 13.1030

Conversions

Conversions Part 2

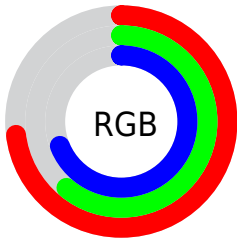
Format	Color
RYB	187, 156, 177
Decimal	12295345
CIELab	67.66, 15.07, -6.59
CIELCh	68, 16.450, 336.366
Yxy	37.5161, 0.3237, 0.3012
Android (android.graphics.Color)	4290485425 (0xFFBB9CB1)
YUV	167.6630, 4.6031, 16.9585
Hunter-Lab	61.2504, 10.3087, -2.3410

Details

The XYZ color **40.3178, 37.5161, 46.7113** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.3651, 45.3628, 42.8124**, and the grayscale version is **37.0294, 38.9578, 42.4250**.

A 20% lighter version of the original color is **74.9644, 71.5264, 86.9457**, and **18.5212, 16.6267, 21.3019** is the 20% darker color. If you saturate the color by 10%, you get **36.8304, 31.4820, 42.6476**, and if you desaturate by 10%, it is **44.3171, 44.5303, 51.0777**.

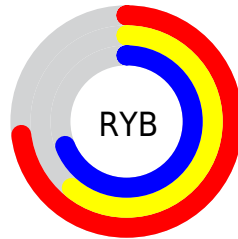
Distribution



Red (73%)

Green (61%)

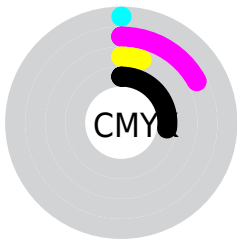
Blue (69%)



Red (73%)

Yellow (61%)

Blue (69%)

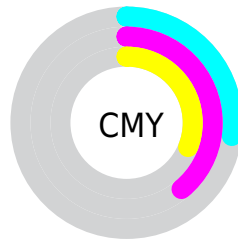


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (27%)



Cyan (27%)

Magenta (39%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3178, 37.5161, 46.7113 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 40.3178, 37.5161, 46.7113 by changing the saturation by 10% instead.


 40.3178, 37.5161,
46.7113


 40.3178, 37.5161,
46.7113


338.5727,
335.5396, 390.0213

 27.9717, 25.6073,
32.4548

 74.9285, 71.3658,
86.6280

 18.4447, 16.5301,
21.4414

 97.9238, 94.0756,
113.1252

 11.3713, 9.9001,
13.2527


125.1996,
121.1545, 144.5398

 6.3863, 5.3327,
7.4700

157.1211,
152.9869, 181.2902

 3.1243, 2.4438,
3.6749

194.0539,
189.9572, 223.7950

 1.2198, 0.8483,
1.4487

236.3632,

 0.1219, 0.0000,

232.4498, 272.4728

0.1793

284.4143,
280.8492, 327.7421

■ 0.0000, 0.0000,
0.0000

■ 40.3178, 37.5161,
46.7113

■ 40.3178, 37.5161,
46.7113

■ 36.8304, 31.4820,
42.6476

■ 44.3171, 44.5303,
51.0777

■ 33.8292, 26.3788,
38.8749

■ 48.8459, 52.5611,
55.7531

■ 31.2913, 22.1607,
35.3846

■ 53.9251, 61.6490,
60.7463

■ 29.1903, 18.7758,
32.1659

■ 59.5734, 71.8309,
66.0652

■ 27.4975, 16.1667,
29.2076

■ 65.8085, 83.1420,
71.7174

■ 26.1802, 14.2689,
26.4969

■ 68.2892, 86.8991,
76.2572

■ 25.2006, 13.0074,
24.0194

■ 69.0705, 87.2116,
80.3711

■ 24.5083, 12.2819,
21.7563

■ 69.8805, 87.5356,
84.6366

■ 24.3031, 12.0887,
21.0189

■ 70.7197, 87.8713,
89.0555

Harmonies

Analogous

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



38.6303, 37.5161, 53.1672



40.3178, 37.5161, 46.7113



40.7308, 37.5161, 39.3186

Triad

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



40.3178, 37.5161, 46.7113



35.1196, 37.5161, 28.4743



31.8711, 37.5161, 49.7081

Complementary

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



40.3178, 37.5161, 46.7113



38.3651, 45.3628, 42.8124

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.



31.0248, 37.5161, 42.4179



40.3178, 37.5161, 46.7113



32.8421, 37.5161, 30.5969

Square

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



40.3178, 37.5161, 46.7113



37.6502, 37.5161, 29.3366



31.3717, 37.5161, 35.4983



33.7372, 37.5161, 55.0359

Rectangle

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



40.3178, 37.5161, 46.7113



40.2112, 37.5161, 34.9513



31.3717, 37.5161, 35.4983



31.4621, 37.5161, 47.3747

Sweetspot

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



40.3189, 37.5177, 46.7121



80.5219, 81.7849, 92.6949



36.5472, 35.4539, 51.9313



17.6120, 17.7979, 20.2862



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.3189, 37.5177, 46.7121



69.7637, 62.9412, 80.8697



38.8768, 36.9409, 39.1181



9.7954, 9.6425, 11.3118



16.7790, 8.3428, 14.6619



0.6859, 0.3383, 0.7255

Inverse Universe

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



40.3189, 37.5177, 46.7121



69.7637, 62.9412, 80.8697



39.8549, 45.9587, 50.6578



9.7954, 9.6425, 11.3118



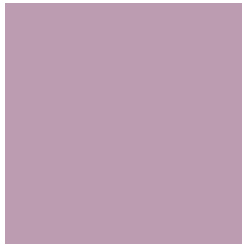
16.7790, 8.3428, 14.6619



0.6859, 0.3383, 0.7255

Previews

White Background



This preview shows how the XYZ color 40.3178, 37.5161, 46.7113 looks on a white background.

Color Contrast Check

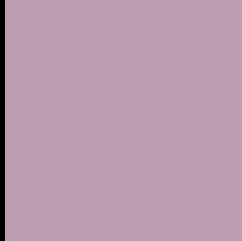
Large Text (above 18pt) WCAG AA × Fail

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 40.3178, 37.5161, 46.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

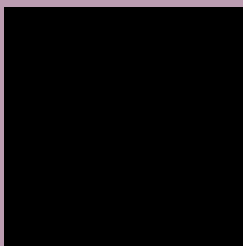
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3178, 37.5161, 46.7113

Background



This preview shows how black text looks on a background with the XYZ color 40.3178, 37.5161, 46.7113.



This preview shows how white text looks on a background with the XYZ color 40.3178, 37.5161,

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

40.3178, 37.5161, 46.7113

Protanopia

36.8232, 37.7148, 49.5949

Deuteranopia

38.3118, 37.5063, 46.2945



Tritanopia

39.5624, 37.4553, 43.1746

Trichromacy



Original Color

40.3178, 37.5161, 46.7113

Protanomaly

37.9963, 37.5557, 48.4264

Deuteranomaly

39.0570, 37.6342, 46.2799

Tritanomaly

39.8495, 37.5702, 44.6866

Monochromacy



Original Color

40.3178, 37.5161, 46.7113

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.3053, 38.6052, 43.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3178, 37.5161, 46.7113 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(187, 156, 177)` looks like.

```
.text, #text, p{  
    color:rgb(187, 156, 177)  
}
```

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(187, 156, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 156, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.3178, 37.5161, 46.7113 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(187, 156, 177) }
```


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

```
.border{ border-color:rgb(187, 156, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 156, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 156, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 156, 177);  
box-shadow:4px 4px 4px 4px rgb(187, 156,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3178, 37.5161, 46.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 156, 177) }
```

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

```
.background{ background-color: rgb(187,  
156, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor