

Converting Colors

XYZ(40.0082, 37.4317, 66.0891)

Have a look what the booklet for
XYZ(40.0082, 37.4317, 66.0891)
contains.

XYZ(40.0082, 37.4317, 66.0891)	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(40.0082, 37.4317,
66.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	A89ED2
RGB	168, 158, 210
RGB Percent	66%, 62%, 82%
CMY	0.3412, 0.3804, 0.1765
CMYK	0.20, 0.25, 0.00, 0.18
HSL	252°, 37%, 72%
HSV	252°, 25%, 82%
XYZ	40.0082, 37.4317, 66.0891
YIQ	166.9180, -10.7320, 18.2920

Conversions

Conversions Part 2

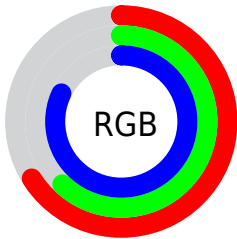
Format	Color
R_{YB}	168, 158, 210
Decimal	11050706
CIE _{Lab}	67.60, 14.38, -25.20
CIE _{LCh}	68, 29.013, 299.705
Yxy	37.4317, 0.2787, 0.2608
Android (android.graphics.Color)	4289240786 (0xFFA89ED2)
YUV	166.9180, 21.2394, 0.9489
Hunter-Lab	61.1815, 9.6584, -21.2189

Details

The XYZ color **40.0082, 37.4317, 66.0891** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0386, 60.8420, 41.2976**, and the grayscale version is **36.5953, 38.5012, 41.9278**.

A 20% lighter version of the original color is **72.5847, 70.6558, 104.4200**, and **18.2443, 16.5268, 33.2388** is the 20% darker color. If you saturate the color by 10%, you get **33.3492, 29.1287, 64.8380**, and if you desaturate by 10%, it is **47.7528, 47.2047, 67.5679**.

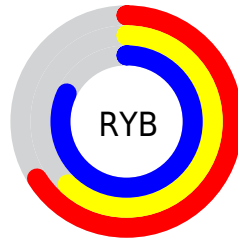
Distribution



Red (66%)

Green (62%)

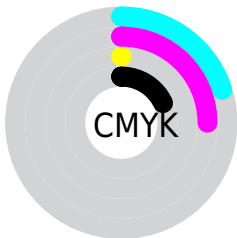
Blue (82%)



Red (66%)

Yellow (62%)

Blue (82%)

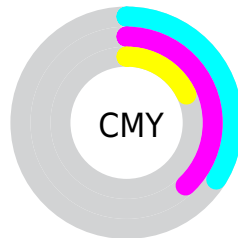


Cyan (20%)

Magenta (25%)

Yellow (0%)

Black (18%)



Cyan (34%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0082, 37.4317, 66.0891 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 40.0082, 37.4317, 66.0891 by changing the saturation by 10% instead.

■ 40.0082, 37.4317,
66.0891

■ 40.0082, 37.4317,
66.0891

337.2920,
335.1758, 465.1084

■ 27.7292, 25.5419,
47.8878

■ 74.4603, 71.2362,
115.2424

■ 18.2610, 16.4813,
33.3787

■ 97.3640, 93.9198,
147.0315

■ 11.2384, 9.8653,
22.1432

124.5400,
120.9700, 184.1870

■ 6.2959, 5.3098,
13.7628

156.3537,
152.7714, 227.1273

■ 3.0682, 2.4301,
7.8190

193.1704,
189.7083, 276.2711

■ 1.1899, 0.8413,
3.8933

235.3554,

■ 0.0984, 0.0000,

232.1650, 332.0368

1.5670

283.2742,
280.5261, 394.8431

■ 0.0000, 0.0000,
0.2671

■ 0.0000, 0.0000,
0.0000

■ 40.0082, 37.4317,
66.0891

■ 40.0082, 37.4317,
66.0891

■ 33.3492, 29.1287,
64.8380

■ 47.7528, 47.2047,
67.5679

■ 27.7228, 22.2196,
63.8010

■ 56.6252, 58.5097,
69.2824

■ 23.0773, 16.6282,
62.9666

■ 66.6701, 71.4108,
71.2431

■ 19.3547, 12.2694,
62.3215

■ 77.9285, 85.9669,
73.4593

■ 16.4906, 9.0475,
61.8505

■ 87.8324, 97.0205,
75.0709

■ 14.4120, 6.8527,
61.5364

■ 88.6330, 97.4332,
75.1084

■ 13.0323, 5.5523,
61.3582

■ 12.5230, 5.1120,
61.3000

Harmonies

Analogous

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



35.5334, 37.4317, 70.6537



40.0082, 37.4317, 66.0891



43.5254, 37.4317, 54.4754

Triad

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



40.0082, 37.4317, 66.0891



40.0912, 37.4317, 22.9858



27.6576, 37.4317, 40.6300

Complementary

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



40.0082, 37.4317, 66.0891



53.0386, 60.8420, 41.2976

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.



28.6616, 37.4317, 29.5594



40.0082, 37.4317, 66.0891



35.6220, 37.4317, 20.7673

Square

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



40.0082, 37.4317, 66.0891



43.5761, 37.4317, 29.7372



31.4870, 37.4317, 22.8993



28.6233, 37.4317, 54.2092

Rectangle

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



40.0082, 37.4317, 66.0891



44.7204, 37.4317, 45.3155



31.4870, 37.4317, 22.8993



27.7747, 37.4317, 36.5145

Sweetspot

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



40.0094, 37.4332, 66.0899



84.5109, 86.5027, 106.8502



46.4971, 53.4483, 68.8392



17.9034, 18.2784, 22.8344



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.



40.0094, 37.4332, 66.0899



56.1162, 50.6253, 101.4218



45.9894, 40.5160, 66.3698



11.3729, 11.5255, 14.8689



7.7029, 3.1513, 37.3948



0.4950, 0.2093, 2.0939

Inverse Universe

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



49.2316, 42.3269, 60.2199



73.0313, 59.6086, 90.3200



46.7790, 57.6150, 41.0047



12.2093, 11.9684, 14.3778



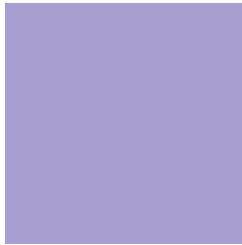
20.6518, 10.1336, 24.1363



1.1804, 0.5769, 1.4846

Previews

White Background



This preview shows how the XYZ color 40.0082, 37.4317, 66.0891 looks on a white background.

Color Contrast Check

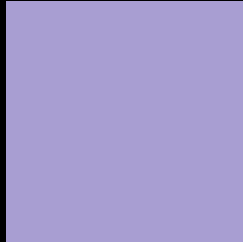
Large Text (above 18pt) WCAG AA × Fail

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 40.0082, 37.4317, 66.0891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

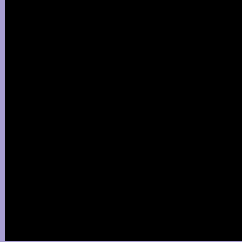
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0082, 37.4317, 66.0891

Background



This preview shows how black text looks on a background with the XYZ color 40.0082, 37.4317, 66.0891.



This preview shows how white text looks on a background with the XYZ color 40.0082, 37.4317,

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

40.0082, 37.4317, 66.0891

Protanopia

37.8699, 37.5778, 68.2081

Deuteranopia

38.3336, 37.6122, 65.5611



Tritanopia

36.1116, 37.4066, 46.9119

Trichromacy



Original Color

40.0082, 37.4317, 66.0891

Protanomaly

38.5332, 37.4113, 67.4775

Deuteranomaly

38.9514, 37.6703, 65.5397

Tritanomaly

37.4155, 37.4073, 53.3924

Monochromacy



Original Color

40.0082, 37.4317, 66.0891

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.7591, 38.1853, 50.1801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0082, 37.4317, 66.0891 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(168, 158, 210)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 210)  
}
```

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(168, 158, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 210) }
```

Border

The CSS property to change the border of an element to XYZ 40.0082, 37.4317, 66.0891 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(168, 158, 210) }
```


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

```
.border{ border-color:rgb(168, 158, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 210);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0082, 37.4317, 66.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 210) }
```

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

```
.background{ background-color: rgb(168,  
158, 210) }
```

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