

Converting Colors

XYZ(37.8807, 35.1493, 53.1333)

Have a look what the booklet for
XYZ(37.8807, 35.1493, 53.1333)
contains.

XYZ(37.8691, 35.1293, 52.9288)	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(37.8691, 35.1293,
52.9288)**

Conversions

Conversions Part 1

Format	Color
Hex	AE98BD
RGB	174, 152, 189
RGB Percent	68%, 60%, 74%
CMY	0.3176, 0.4039, 0.2588
CMYK	0.08, 0.20, 0.00, 0.26
HSL	276°, 22%, 67%
HSV	276°, 20%, 74%
XYZ	37.8691, 35.1293, 52.9288
YIQ	162.7960, 1.2350, 16.1710

Conversions

Conversions Part 2

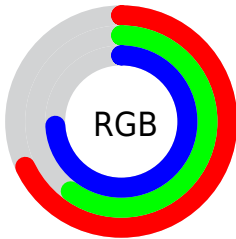
Format	Color
RYB	174, 152, 189
Decimal	11442365
CIELab	65.85, 15.12, -16.14
CIELCh	66, 22.114, 313.138
Yxy	35.1293, 0.3007, 0.2790
Android (android.graphics.Color)	4289632445 (0xFFAE98BD)
YUV	162.7960, 12.9186, 9.8259
Hunter-Lab	59.2700, 10.3257, -11.4577

Details

The XYZ color **37.8691, 35.1293, 52.9288** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.8027, 46.8786, 36.6582**, and the grayscale version is **34.6581, 36.4631, 39.7083**.

A 20% lighter version of the original color is **71.1859, 67.5582, 95.6743**, and **16.9828, 15.1499, 25.3217** is the 20% darker color. If you saturate the color by 10%, you get **33.3842, 28.6214, 51.9096**, and if you desaturate by 10%, it is **42.9424, 42.6680, 54.1171**.

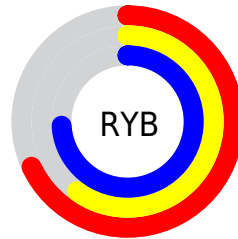
Distribution



Red (68%)

Green (60%)

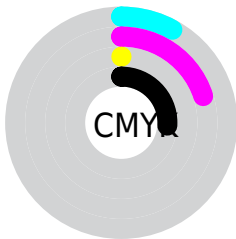
Blue (74%)



Red (68%)

Yellow (60%)

Blue (74%)

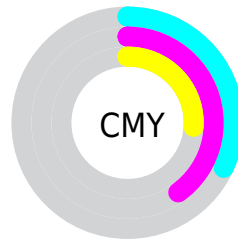


Cyan (8%)

Magenta (20%)

Yellow (0%)

Black (26%)



Cyan (32%)


Magenta (40%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8691, 35.1293, 52.9288 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 37.8691, 35.1293, 52.9288 by changing the saturation by 10% instead.


 37.8691, 35.1293,
52.9288

 37.8691, 35.1293,
52.9288

328.3487,
325.1387, 415.0704

 26.0579, 23.7625,
37.3586


 71.2127, 67.6860,
95.9401

 16.9998, 15.1575,
25.1873


 93.4757, 89.6447,
124.2182

 10.3297, 8.9300,
15.9964


119.9533,
115.9029, 157.5695

 5.6820, 4.6956,
9.3673

151.0110,
146.8448, 196.4123

 2.6915, 2.0698,
4.8814

187.0140,
182.8550, 241.1652

 0.9928, 0.6475,
2.1203

228.3277,

 0.0000, 0.0000,

224.3177, 292.2469

0.6278

275.3175,
271.6175, 350.0758

■ 0.0000, 0.0000,
0.0000

■ 37.8691, 35.1293,
52.9288

■ 37.8691, 35.1293,
52.9288

■ 33.3842, 28.6214,
51.9096

■ 42.9424, 42.6680,
54.1171

■ 29.4597, 23.0927,
51.0493

■ 48.6239, 51.2770,
55.4793

■ 26.0701, 18.4940,
50.3403

■ 54.9365, 60.9990,
57.0231

■ 23.1863, 14.7699,
49.7734

■ 61.9010, 71.8732,
58.7550

■ 20.7764, 11.8587,
49.3385

■ 69.5369, 83.9368,
60.6811

■ 18.8040, 9.6905,
49.0240

■ 74.4536, 90.4062,
61.6706

■ 17.2266, 8.1832,
48.8162

■ 76.8260, 91.6292,
61.7817

■ 15.9657, 7.1825,
48.6895

■ 79.3062, 92.9078,
61.8977

■ 15.9153, 7.1436,
48.6846

■ 81.8953, 94.2426,
62.0189

Harmonies

Analogous

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



34.8369, 35.1293, 58.5690



37.8691, 35.1293, 52.9288



39.7658, 35.1293, 43.7064

Triad

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



37.8691, 35.1293, 52.9288



35.2439, 35.1293, 23.4929



27.6406, 35.1293, 42.4844

Complementary

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



37.8691, 35.1293, 52.9288



39.8027, 46.8786, 36.6582

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.



27.7338, 35.1293, 33.2675



37.8691, 35.1293, 52.9288



31.9824, 35.1293, 23.2751

Square

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



37.8691, 35.1293, 52.9288



38.1837, 35.1293, 27.2250



29.2776, 35.1293, 26.5717



29.0141, 35.1293, 51.9095

Rectangle

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



37.8691, 35.1293, 52.9288



40.0592, 35.1293, 37.2739



29.2776, 35.1293, 26.5717



27.5043, 35.1293, 39.2427

Sweetspot

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



37.8702, 35.1308, 52.9296



80.3232, 81.5601, 97.7354



36.0307, 38.1413, 53.6076



17.1337, 17.3286, 20.9843



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.



37.8702, 35.1308, 52.9296



64.6562, 58.2844, 94.0685



41.0696, 36.8184, 51.3506



9.5456, 9.4981, 12.0024



10.7965, 4.8519, 32.7604



0.4952, 0.2273, 1.2866

Inverse Universe

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



39.1908, 36.0669, 41.4569



67.4742, 60.2746, 69.9185



37.0712, 45.4409, 37.8658



9.6862, 9.5988, 10.7363



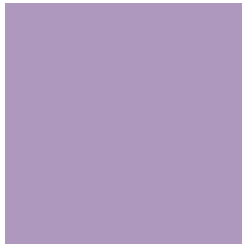
15.0484, 7.6505, 5.5486



0.6220, 0.3127, 0.3886

Previews

White Background



This preview shows how the XYZ color 37.8691, 35.1293, 52.9288 looks on a white background.

Color Contrast Check

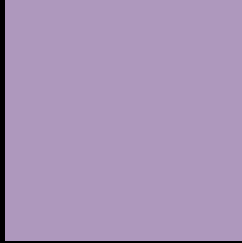
Large Text (above 18pt) WCAG AA × Fail

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 37.8691, 35.1293, 52.9288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

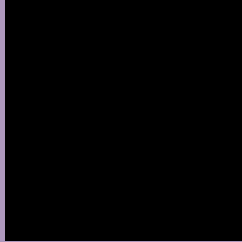
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8691, 35.1293, 52.9288

Background



This preview shows how black text looks on a background with the XYZ color 37.8691, 35.1293, 52.9288.



This preview shows how white text looks on a background with the XYZ color 37.8691, 35.1293,

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

37.8691, 35.1293, 52.9288

Protanopia

34.9727, 35.3219, 55.4266

Deuteranopia

35.8659, 35.0892, 52.4595



Tritanopia

35.7509, 35.2620, 41.9678

Trichromacy



Original Color

37.8691, 35.1293, 52.9288

Protanomaly

35.9001, 35.0563, 54.7436

Deuteranomaly

36.5243, 35.1805, 52.4424

Tritanomaly

36.5711, 35.3479, 45.9696

Monochromacy



Original Color

37.8691, 35.1293, 52.9288

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.7809, 35.9903, 44.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8691, 35.1293, 52.9288 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(174, 152, 189)` looks like.

```
.text, #text, p{  
    color:rgb(174, 152, 189)  
}
```

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(174, 152, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 152, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.8691, 35.1293, 52.9288 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(174, 152, 189) }
```


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

```
.border{ border-color:rgb(174, 152, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 152, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 152, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 152, 189);  
box-shadow:4px 4px 4px 4px rgb(174, 152,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8691, 35.1293, 52.9288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 152, 189) }
```

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

```
.background{ background-color: rgb(174,  
152, 189) }
```

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