

Converting Colors

XYZ(36.8743, 36.9042, 47.5630)

Have a look what the booklet for
XYZ(36.8743, 36.9042, 47.5630)
contains.

XYZ(37.0300, 37.0692, 47.8512)	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(37.0300, 37.0692,
47.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A1B3
RGB	168, 161, 179
RGB Percent	66%, 63%, 70%
CMY	0.3412, 0.3686, 0.2980
CMYK	0.06, 0.10, 0.00, 0.30
HSL	263°, 11%, 67%
HSV	263°, 10%, 70%
XYZ	37.0300, 37.0692, 47.8512
YIQ	165.1450, -1.6060, 7.0820

Conversions

Conversions Part 2

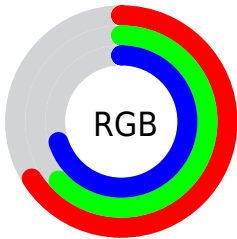
Format	Color
RYB	168, 161, 179
Decimal	11051443
CIELab	67.33, 6.00, -8.39
CIElCh	67, 10.315, 305.602
Yxy	37.0692, 0.3036, 0.3040
Android (android.graphics.Color)	4289241523 (0xFFA8A1B3)
YUV	165.1450, 6.8305, 2.5038
Hunter-Lab	60.8845, 2.0160, -3.9789

Details

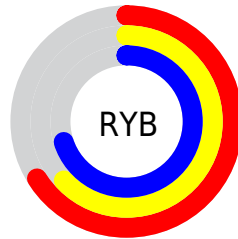
The XYZ color **37.0300, 37.0692, 47.8512** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5677, 43.5850, 40.0473**, and the grayscale version is **35.8034, 37.6680, 41.0204**.

A 20% lighter version of the original color is **69.9827, 70.7979, 88.5741**, and **16.5443, 16.3712, 22.0266** is the 20% darker color. If you saturate the color by 10%, you get **31.8914, 30.1051, 46.7784**, and if you desaturate by 10%, it is **42.8146, 45.0332, 49.0841**.

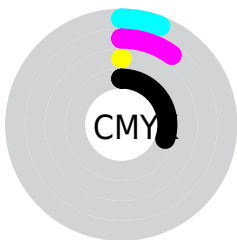
Distribution



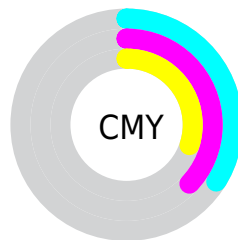
- Red (66%)
- Green (63%)
- Blue (70%)



- Red (66%)
- Yellow (63%)
- Blue (70%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (30%)



- Cyan (34%)
- Magenta (37%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0300, 37.0692, 47.8512 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 37.0300, 37.0692, 47.8512 by changing the saturation by 10% instead.

■ 37.0300, 37.0692,
47.8512

■ 37.0300, 37.0692,
47.8512

324.7937,
333.6100, 394.6937

■ 25.4045, 25.2611,
33.3499

■ 69.9325, 70.6792,
88.3461

■ 16.5090, 16.2717,
22.1213

■ 91.9401, 93.2499,
115.1767

■ 9.9782, 9.7166,
13.7469

118.1392,
120.1768, 146.9542

■ 5.4466, 5.2115,
7.8081

148.8951,
151.8445, 184.0971

■ 2.5491, 2.3719,
3.8864

184.5731,
188.6373, 227.0240

■ 0.9201, 0.8114,
1.5632

225.5387,

■ 0.0000, 0.0000,

230.9395, 276.1534

0.2644

272.1571,
279.1356, 331.9037

■ 0.0000, 0.0000,
0.0000

■ 37.0300, 37.0692,
47.8512

■ 37.0300, 37.0692,
47.8512

■ 31.8914, 30.1051,
46.7784

■ 42.8146, 45.0332,
49.0841

■ 27.3718, 24.0957,
45.8567

■ 49.2643, 54.0302,
50.4808

■ 23.4470, 18.9994,
45.0799

■ 56.4015, 64.0979,
52.0478

■ 20.0899, 14.7699,
44.4404

■ 64.2466, 75.2704,
53.7909

■ 17.2710, 11.3562,
43.9301

■ 72.8191, 87.5805,
55.7151

■ 14.9580, 8.7022,
43.5397

■ 77.7112, 92.2067,
56.3502

■ 13.1147, 6.7441,
43.2589

■ 81.4075, 94.1122,
56.5232

■ 11.6989, 5.4074,
43.0755

■ 85.1368, 96.0347,
56.6978

■ 10.6338, 4.5420,
42.9646

Harmonies

Analogous

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



35.5303, 37.0692, 49.6469



37.0300, 37.0692, 47.8512



38.0705, 37.0692, 44.0606

Triad

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



37.0300, 37.0692, 47.8512



36.5020, 37.0692, 32.9513



32.2977, 37.0692, 41.2167

Complementary

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



37.0300, 37.0692, 47.8512



39.5677, 43.5850, 40.0473

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.



32.5404, 37.0692, 36.8765



37.0300, 37.0692, 47.8512



34.9377, 37.0692, 32.3136

Square

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



37.0300, 37.0692, 47.8512



37.7594, 37.0692, 35.5097



33.4954, 37.0692, 33.6982



32.8222, 37.0692, 45.6375

Rectangle

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



37.0300, 37.0692, 47.8512



38.3472, 37.0692, 41.0324



33.4954, 37.0692, 33.6982



32.2924, 37.0692, 39.6991

Sweetspot

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



37.0311, 37.0708, 47.8520



73.4517, 76.1878, 87.2156



37.6075, 40.3761, 48.4596



16.0859, 16.6209, 19.2826



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.



37.0311, 37.0708, 47.8520



64.2475, 63.5636, 85.2640



38.9913, 38.0813, 47.9438



8.3441, 8.3859, 10.6852



7.5826, 3.2448, 30.3636



0.3050, 0.1363, 0.9585

Inverse Universe

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



38.7829, 38.0536, 44.3324



68.0172, 65.6793, 77.6549



37.6791, 42.6114, 39.9589



8.7072, 8.5896, 9.9567



15.1353, 7.5717, 11.1386



0.5038, 0.2493, 0.4957

Previews

White Background



This preview shows how the XYZ color 37.0300, 37.0692, 47.8512 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 37.0300, 37.0692, 47.8512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

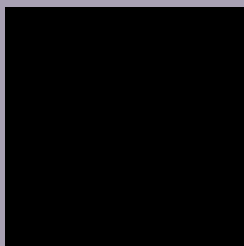
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

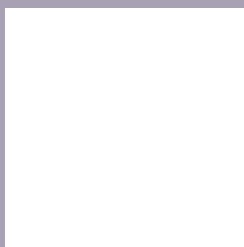
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0300, 37.0692, 47.8512

Background



This preview shows how black text looks on a background with the XYZ color 37.0300, 37.0692, 47.8512.



This preview shows how white text looks on a background with the XYZ color 37.0300, 37.0692,

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

37.0300, 37.0692, 47.8512

Protanopia

36.2357, 37.1711, 48.4449

Deuteranopia

37.7684, 36.9352, 47.7864



Tritanopia

36.5945, 37.1513, 45.7996

Trichromacy



Original Color

37.0300, 37.0692, 47.8512

Protanomaly

36.4684, 37.0285, 48.4051

Deuteranomaly

37.5021, 37.0542, 47.8234

Tritanomaly

36.6932, 37.1907, 46.3189

Monochromacy



Original Color

37.0300, 37.0692, 47.8512

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.2570, 37.5602, 43.3691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0300, 37.0692, 47.8512 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, 161, 179)` looks like.

```
.text, #text, p{  
    color:rgb(168, 161, 179)  
}
```

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, 161, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 161, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.0300, 37.0692, 47.8512 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, 161, 179) }
```


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

```
.border{ border-color:rgb(168, 161, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 161, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 161, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 161, 179);  
box-shadow:4px 4px 4px 4px rgb(168, 161,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0300, 37.0692, 47.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 161, 179) }
```

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

```
.background{ background-color: rgb(168,  
161, 179) }
```

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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