

Converting Colors

XYZ(36.8733, 38.7936, 42.2463)

Have a look what the booklet for
XYZ(36.8733, 38.7936, 42.2463)
contains.

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Color

**XYZ(36.7301, 38.6429,
42.0822)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A7A7
RGB	167, 167, 167
RGB Percent	65%, 65%, 65%
CMY	0.3451, 0.3451, 0.3451
CMYK	0.00, 0.00, 0.00, 0.35
HSL	124°, 0%, 65%
HSV	124°, 0%, 65%
XYZ	36.7301, 38.6429, 42.0822
YIQ	167.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	167, 167, 167
Decimal	10987431
CIELab	68.49, 0.00, -0.01
CIElCh	68, 0.009, 296.991
Yxy	38.6429, 0.3127, 0.3290
Android (android.graphics.Color)	4289177511 (0xFFA7A7A7)
YUV	167.0000, 0.0000, 0.0000
Hunter-Lab	62.1634, -3.3168, 3.3774

Details

The XYZ color **36.7301, 38.6429, 42.0822** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7315, 38.6439, 42.0841**, and the grayscale version is **36.7315, 38.6444, 42.0837**.

A 20% lighter version of the original color is **69.4303, 73.0461, 79.5472**, and **16.2955, 17.1441, 18.6699** is the 20% darker color. If you saturate the color by 10%, you get **32.0646, 36.3963, 34.7505**, and if you desaturate by 10%, it is **42.0292, 41.1980, 50.3627**.

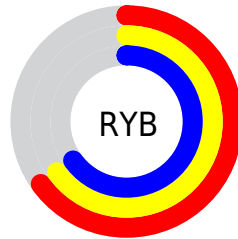
Distribution



Red (65%)

Green (65%)

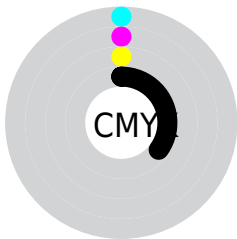
Blue (65%)



Red (65%)

Yellow (65%)

Blue (65%)

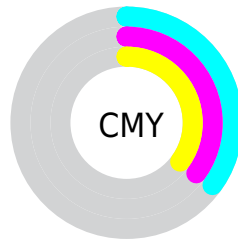


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7301, 38.6429, 42.0822 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 36.7301, 38.6429, 42.0822 by changing the saturation by 10% instead.

■ 36.7301, 38.6429,
42.0822

■ 36.7301, 38.6429,
42.0822

323.5164,
340.3699, 370.6333

■ 25.1713, 26.4820,
28.8396

■ 69.4740, 73.0925,
79.5955

■ 16.3341, 17.1846,
18.7150

■ 91.3898, 96.1500,
104.7032

■ 9.8533, 10.3662,
11.2898

117.4887,
123.6085, 134.6031

■ 5.3633, 5.6424,
6.1455

148.1360,
155.8524, 169.7136

■ 2.4989, 2.6289,
2.8635

183.6971,
193.2661, 210.4534

■ 0.8947, 0.9412,
1.0254

224.5372,

■ 0.0000, 0.0000,

236.2340, 257.2409

0.0000

271.0219,
285.1404, 310.4947

■ 36.7301, 38.6429,
42.0822

■ 36.7301, 38.6429,
42.0822

■ 32.0646, 36.3963,
34.7505

■ 42.0292, 41.1980,
50.3627

■ 28.0059, 34.4418,
28.3312

■ 47.9810, 44.0675,
59.6214

■ 24.5300, 32.7690,
22.7895

■ 54.6079, 47.2634,
69.8899

■ 21.6101, 31.3648,
18.0871

■ 61.9300, 50.7954,
81.1973

■ 19.2175, 30.2153,
14.1833

■ 69.9668, 54.6730,
93.5717

■ 17.3205, 29.3051,
11.0336

■ 73.1094, 56.1189,
101.5865

■ 15.8843, 28.6173,
8.5893

■ 14.8696, 28.1329,
6.7963

■ 14.2304, 27.8293,
5.5921

Harmonies

Analogous

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



36.7288, 38.6429, 42.0830



36.7301, 38.6429, 42.0822



36.7311, 38.6429, 42.0796

Triad

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



36.7301, 38.6429, 42.0822



36.7303, 38.6429, 42.0693



36.7263, 38.6429, 42.0752

Complementary

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



36.7301, 38.6429, 42.0822



36.7315, 38.6439, 42.0841

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.



36.7267, 38.6429, 42.0715



36.7301, 38.6429, 42.0822



36.7291, 38.6429, 42.0681

Square

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



36.7301, 38.6429, 42.0822



36.7312, 38.6429, 42.0722



36.7277, 38.6429, 42.0689



36.7266, 38.6429, 42.0789

Rectangle

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



36.7301, 38.6429, 42.0822



36.7315, 38.6429, 42.0772



36.7277, 38.6429, 42.0689



36.7264, 38.6429, 42.0739

Sweetspot

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



36.7312, 38.6446, 42.0830



65.7814, 69.2071, 75.3665



36.7318, 38.6448, 42.0830



14.7206, 15.4872, 16.8656



80.6108, 84.8088, 92.3568

Same Dimension

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



36.7312, 38.6446, 42.0830



65.7814, 69.2071, 75.3665



36.7313, 38.6446, 42.0837



8.4577, 8.8982, 9.6901



10.6238, 21.1683, 3.7855



0.2641, 0.5173, 0.1217

Inverse Universe

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



36.7315, 38.6439, 42.0841



65.7814, 69.2071, 75.3665



36.7314, 38.6439, 42.0834



8.4577, 8.8982, 9.6901



16.8447, 8.1466, 25.0573



0.4156, 0.2005, 0.6398

Previews

White Background



This preview shows how the XYZ color 36.7301, 38.6429, 42.0822 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 36.7301, 38.6429, 42.0822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

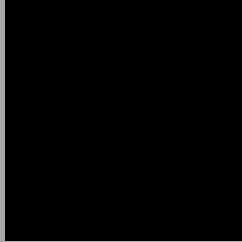
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7301, 38.6429, 42.0822

Background



This preview shows how black text looks on a background with the XYZ color 36.7301, 38.6429, 42.0822.

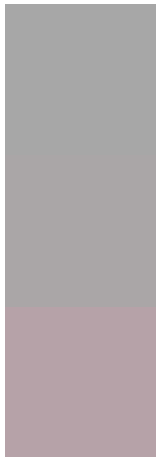


This preview shows how white text looks on a background with the XYZ color 36.7301, 38.6429,

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

36.7301, 38.6429, 42.0822

Protanopia

37.1888, 38.6085, 42.0513

Deuteranopia

39.2796, 38.6129, 42.4286



Tritanopia

37.8532, 38.5596, 47.5672

Trichromacy



Original Color

36.7301, 38.6429, 42.0822

Protanomaly

36.9735, 38.4975, 42.0413

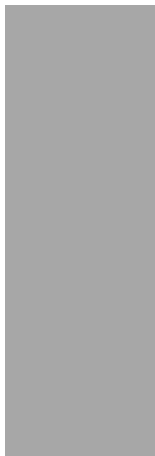
Deuteranomaly

38.4748, 38.7252, 42.4927

Tritanomaly

37.4246, 38.6533, 45.5327

Monochromacy



Original Color

36.7301, 38.6429, 42.0822

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7301, 38.6429, 42.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7301, 38.6429, 42.0822 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(167, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 167)  
}
```

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(167, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.7301, 38.6429, 42.0822 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(167, 167, 167) }
```

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

```
.border{ border-color:rgb(167, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
167) }
```


Background

The CSS property to change the background color of an element to XYZ 36.7301, 38.6429, 42.0822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 167) }
```

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

```
.background{ background-color: rgb(167,  
167, 167) }
```

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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