

Converting Colors

XYZ(36.6898, 38.6222, 42.3689)

Have a look what the booklet for
XYZ(36.6898, 38.6222, 42.3689)
contains.

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Color

**XYZ(36.8229, 38.6801,
42.5710)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A7A8
RGB	167, 167, 168
RGB Percent	65%, 65%, 66%
CMY	0.3451, 0.3451, 0.3412
CMYK	0.01, 0.01, 0.00, 0.34
HSL	240°, 1%, 66%
HSV	240°, 1%, 66%
XYZ	36.8229, 38.6801, 42.5710
YIQ	167.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

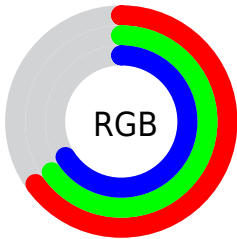
Format	Color
RYB	167, 167, 168
Decimal	10987432
CIELab	68.52, 0.19, -0.52
CIElCh	69, 0.558, 290.314
Yxy	38.6801, 0.3119, 0.3276
Android (android.graphics.Color)	4289177512 (0xFFA7A7A8)
YUV	167.1140, 0.4368, -0.1000
Hunter-Lab	62.1933, -3.1536, 2.9516

Details

The XYZ color **36.8229, 38.6801, 42.5710** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1260, 39.1194, 42.1536**, and the grayscale version is **36.7851, 38.7008, 42.1452**.

A 20% lighter version of the original color is **69.5648, 73.0999, 80.2553**, and **16.3534, 17.1673, 18.9747** is the 20% darker color. If you saturate the color by 10%, you get **30.6309, 31.2268, 41.4593**, and if you desaturate by 10%, it is **43.8753, 47.1685, 43.8383**.

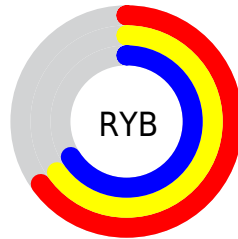
Distribution



Red (65%)

Green (65%)

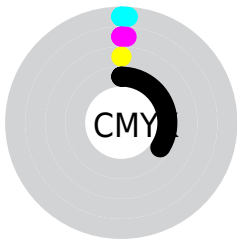
Blue (66%)



Red (65%)

Yellow (65%)

Blue (66%)

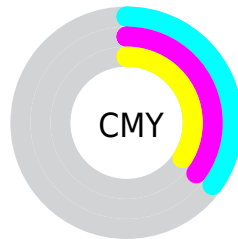


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (35%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8229, 38.6801, 42.5710 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 36.8229, 38.6801, 42.5710 by changing the saturation by 10% instead.

■ 36.8229, 38.6801,
42.5710

■ 36.8229, 38.6801,
42.5710

323.9120,
340.5285, 372.7138

■ 25.2434, 26.5110,
29.2198

■ 69.6159, 73.1494,
80.3425

■ 16.3882, 17.2063,
19.0001

■ 91.5602, 96.2183,
105.5998

■ 9.8919, 10.3817,
11.4935

117.6901,
123.6892, 135.6629

■ 5.3890, 5.6527,
6.2815

148.3711,
155.9466, 170.9503

■ 2.5144, 2.6351,
2.9455

183.9684,
193.3749, 211.8805

■ 0.9025, 0.9443,
1.0669

224.8474,

■ 0.0000, 0.0000,

236.3583, 258.8722

0.0000

271.3735,
285.2814, 312.3437

■ 36.8229, 38.6801,
42.5710

■ 36.8229, 38.6801,
42.5710

■ 30.6309, 31.2268,
41.4593

■ 43.8753, 47.1685,
43.8383

■ 25.2632, 24.7644,
40.4948

■ 51.8157, 56.7243,
45.2643

■ 20.6861, 19.2526,
39.6722

■ 60.6747, 67.3845,
46.8550

■ 16.8622, 14.6466,
38.9847

■ 70.4804, 79.1829,
48.6155

■ 13.7512, 10.8980,
38.4251

■ 81.2597, 92.1518,
50.5506

■ 11.3090, 7.9539,
37.9856

■ 84.0680, 95.6072,
51.0695

■ 9.4866, 5.7553,
37.6572

■ 8.2283, 4.2356,
37.4302

■ 7.4685, 3.3160,
37.2928

Harmonies

Analogous

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



36.7359, 38.6801, 42.5943



36.8229, 38.6801, 42.5710



36.8943, 38.6801, 42.4255

Triad

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



36.8229, 38.6801, 42.5710



36.8722, 38.6801, 41.7452



36.5981, 38.6801, 42.0348

Complementary

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



36.8229, 38.6801, 42.5710



37.1260, 39.1194, 42.1536

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.



36.6345, 38.6801, 41.8081



36.8229, 38.6801, 42.5710



36.7927, 38.6801, 41.6414

Square

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



36.8229, 38.6801, 42.5710



36.9228, 38.6801, 41.9485



36.7057, 38.6801, 41.6644



36.6062, 38.6801, 42.2841

Rectangle

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



36.8229, 38.6801, 42.5710



36.9234, 38.6801, 42.2791



36.7057, 38.6801, 41.6644



36.6056, 38.6801, 41.9534

Sweetspot

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



36.8240, 38.6818, 42.5718



67.5393, 71.0566, 77.3807



37.0058, 39.0478, 42.6248



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.



36.8240, 38.6818, 42.5718



66.3152, 69.5832, 77.1608



36.9257, 38.7332, 42.5764



8.3178, 8.7298, 9.6650



5.3430, 2.1461, 28.1081



0.1306, 0.0535, 0.6841

Inverse Universe

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



36.9430, 38.7529, 42.0942



66.6835, 69.8033, 75.6826



37.0239, 39.0677, 42.1490



8.3599, 8.7549, 9.4961



12.1975, 6.2877, 0.5855



0.2971, 0.1531, 0.0159

Previews

White Background



This preview shows how the XYZ color 36.8229, 38.6801, 42.5710 looks on a white background.

Color Contrast Check

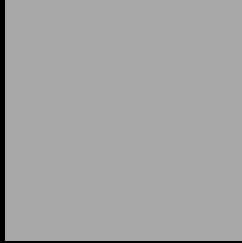
Large Text (above 18pt) WCAG AA × Fail

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 36.8229, 38.6801, 42.5710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

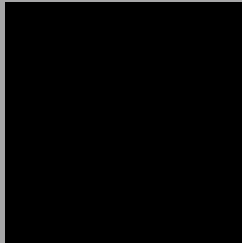
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8229, 38.6801, 42.5710

Background



This preview shows how black text looks on a background with the XYZ color 36.8229, 38.6801, 42.5710.

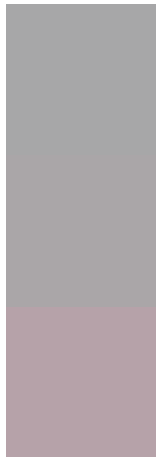


This preview shows how white text looks on a background with the XYZ color 36.8229, 38.6801,

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

36.8229, 38.6801, 42.5710

Protanopia

37.2817, 38.6456, 42.5402

Deuteranopia

39.3732, 38.6503, 42.9212



Tritanopia

37.8532, 38.5596, 47.5672

Trichromacy



Original Color

36.8229, 38.6801, 42.5710

Protanomaly

37.0663, 38.5346, 42.5301

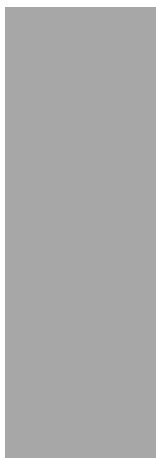
Deuteranomaly

38.5684, 38.7626, 42.9853

Tritanomaly

37.4246, 38.6533, 45.5327

Monochromacy



Original Color

36.8229, 38.6801, 42.5710

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 36.8229, 38.6801, 42.5710 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, 168) looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.8229, 38.6801, 42.5710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

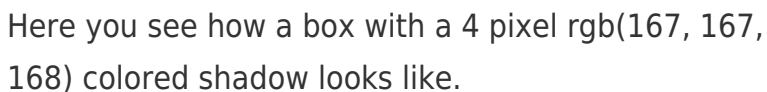
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 167, 168) }
```

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

```
.border{ border-color:rgb(167, 167, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
168) }
```


Background

The CSS property to change the background color of an element to XYZ 36.8229, 38.6801, 42.5710 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, 168) }
```

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

```
.background{ background-color: rgb(167,  
167, 168) }
```

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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