

Converting Colors

XYZ(36.7811, 42.1305, 37.7519)

Have a look what the booklet for
XYZ(36.7811, 42.1305, 37.7519)
contains.

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Color

**XYZ(36.8188, 42.2176,
37.6607)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B39C
RGB	161, 179, 156
RGB Percent	63%, 70%, 61%
CMY	0.3686, 0.2980, 0.3882
CMYK	0.10, 0.00, 0.13, 0.30
HSL	107°, 13%, 66%
HSV	107°, 13%, 70%
XYZ	36.8188, 42.2176, 37.6607
YIQ	170.9960, -3.3450, -10.9690

Conversions

Conversions Part 2

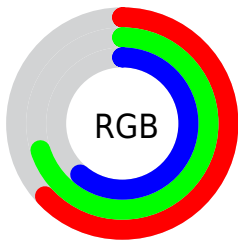
Format	Color
RYB	156, 179, 174
Decimal	10597276
CIELab	71.02, -10.60, 9.64
CIELCh	71, 14.334, 137.711
Yxy	42.2176, 0.3155, 0.3618
Android (android.graphics.Color)	4288787356 (0xFFA1B39C)
YUV	170.9960, -7.3930, -8.7665
Hunter-Lab	64.9751, -12.5575, 11.1170

Details

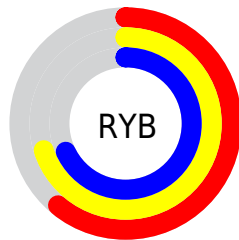
The XYZ color **36.8188, 42.2176, 37.6607** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4824, 36.0314, 47.6293**, and the grayscale version is **38.7448, 40.7626, 44.3904**.

A 20% lighter version of the original color is **69.6601, 78.6687, 72.4859**, and **16.3173, 19.1928, 16.2092** is the 20% darker color. If you saturate the color by 10%, you get **32.7467, 40.2820, 30.1323**, and if you desaturate by 10%, it is **41.4330, 44.4093, 46.3823**.

Distribution



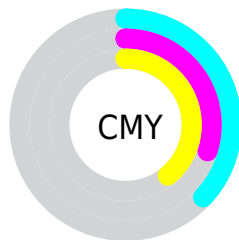
- Red (63%)
- Green (70%)
- Blue (61%)



- Red (61%)
- Yellow (70%)
- Blue (68%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (30%)



- Cyan (37%)
- Magenta (30%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8188, 42.2176, 37.6607 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 36.8188, 42.2176, 37.6607 by changing the saturation by 10% instead.

■ 36.8188, 42.2176,
37.6607

■ 36.8188, 42.2176,
37.6607

323.8945,
355.3842, 351.4167

■ 25.2403, 29.2717,
25.4197

■ 69.6097, 78.5288,
72.7854

■ 16.3858, 19.2865,
16.1681

■ 91.5527, 102.6630,
96.5062

■ 9.8902, 11.8775,
9.4876

117.6812,
131.2954, 124.8906

■ 5.3879, 6.6603,
4.9594

148.3607,
164.8103, 158.3573

■ 2.5137, 3.2506,
2.1651

183.9564,
203.5923, 197.3247

■ 0.9022, 1.2639,
0.6541

224.8337,

■ 0.0000, 0.1130,

248.0257, 242.2113

0.0000

271.3580,
298.4948, 293.4358

■ 0.0000, 0.0000,
0.0000

■ 36.8188, 42.2176,
37.6607

■ 36.8188, 42.2176,
37.6607

■ 32.7467, 40.2820,
30.1323

■ 41.4330, 44.4093,
46.3823

■ 29.1932, 38.5879,
23.7427

■ 46.6048, 46.8604,
56.3429

■ 26.1380, 37.1271,
18.4372

■ 52.3537, 49.5810,
67.5894

■ 23.5581, 35.8892,
14.1555

■ 58.6967, 52.5792,
80.1653

■ 21.4288, 34.8629,
10.8316

■ 65.6505, 55.8625,
94.1121

■ 19.7228, 34.0357,
8.3916

■ 71.8480, 58.8851,
102.1869

■ 18.4099, 33.3938,
6.7509

■ 75.4110, 60.7219,
102.3537

■ 17.4552, 32.9215,
5.8085

■ 16.9541, 32.6714,
5.4126

Harmonies

Analogous

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



38.7433, 42.2176, 34.5252



36.8188, 42.2176, 37.6607



35.7975, 42.2176, 43.2204

Triad

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



36.8188, 42.2176, 37.6607



39.1554, 42.2176, 60.0795



44.6702, 42.2176, 42.0751

Complementary

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



36.8188, 42.2176, 37.6607



37.4824, 36.0314, 47.6293

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.



44.7913, 42.2176, 48.8292



36.8188, 42.2176, 37.6607



41.5424, 42.2176, 59.6947

Square

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



36.8188, 42.2176, 37.6607



37.1102, 42.2176, 56.4189



43.6267, 42.2176, 55.4146



43.3021, 42.2176, 36.8942

Rectangle

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



36.8188, 42.2176, 37.6607



35.7384, 42.2176, 47.7584



43.6267, 42.2176, 55.4146



44.8600, 42.2176, 44.2225

Sweetspot

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



36.8199, 42.2194, 37.6616



73.1432, 79.0297, 81.0473



39.6582, 42.1165, 37.4922



16.0623, 17.4414, 17.6848



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.



36.8199, 42.2194, 37.6616



64.1004, 74.7355, 64.0161



36.3651, 41.9234, 40.4210



8.5560, 9.5762, 9.0500



12.0266, 23.1100, 3.8268



0.4278, 0.7526, 0.1227

Inverse Universe

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



37.4824, 36.0314, 47.6293



65.4849, 61.7966, 84.8577



38.0103, 36.3737, 44.4868



8.6657, 8.5517, 10.7002



13.4603, 6.2748, 30.6387



0.4685, 0.2206, 0.9661

Previews

White Background



This preview shows how the XYZ color 36.8188, 42.2176, 37.6607 looks on a white background.

Color Contrast Check

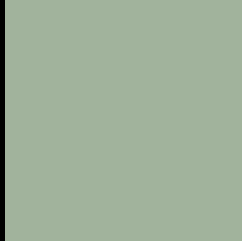
Large Text (above 18pt) WCAG AA × Fail

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 36.8188, 42.2176, 37.6607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

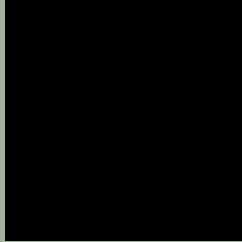
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8188, 42.2176, 37.6607

Background



This preview shows how black text looks on a background with the XYZ color 36.8188, 42.2176, 37.6607.



This preview shows how white text looks on a background with the XYZ color 36.8188, 42.2176,

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

36.8188, 42.2176, 37.6607

Protanopia

39.7494, 42.0108, 36.1509

Deuteranopia

42.7552, 41.8418, 38.1706



Tritanopia

39.9390, 42.0099, 53.5807

Trichromacy



Original Color

36.8188, 42.2176, 37.6607

Protanomaly

38.6183, 41.9917, 36.6417

Deuteranomaly

40.1772, 41.6274, 37.8156

Tritanomaly

38.6716, 42.0778, 47.1579

Monochromacy



Original Color

36.8188, 42.2176, 37.6607

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9553, 41.2408, 42.0362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8188, 42.2176, 37.6607 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(161, 179, 156)` looks like.

```
.text, #text, p{  
    color:rgb(161, 179, 156)  
}
```

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(161, 179, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 179, 156) }
```

Border

The CSS property to change the border of an element to XYZ 36.8188, 42.2176, 37.6607 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(161, 179, 156) }
```


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

```
.border{ border-color:rgb(161, 179, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 179, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 179, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 179, 156);  
box-shadow:4px 4px 4px 4px rgb(161, 179,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8188, 42.2176, 37.6607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 179, 156) }
```

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

```
.background{ background-color: rgb(161,  
179, 156) }
```

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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