

Converting Colors

XYZ(37.7163, 38.5744, 36.9135)

Have a look what the booklet for
XYZ(37.7163, 38.5744, 36.9135)
contains.

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Color

**XYZ(37.6363, 38.4162,
36.8839)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A49C
RGB	178, 164, 156
RGB Percent	70%, 64%, 61%
CMY	0.3020, 0.3568, 0.3882
CMYK	0.00, 0.08, 0.12, 0.30
HSL	22°, 12%, 65%
HSV	22°, 12%, 70%
XYZ	37.6363, 38.4162, 36.8839
YIQ	167.2740, 10.9120, 0.4800

Conversions

Conversions Part 2

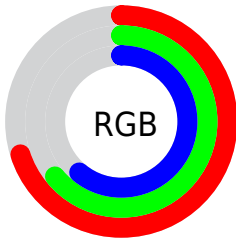
Format	Color
RYB	178, 169, 156
Decimal	11707548
CIELab	68.33, 3.69, 5.97
CIElCh	68, 7.018, 58.296
Yxy	38.4162, 0.3333, 0.3402
Android (android.graphics.Color)	4289897628 (0xFFB2A49C)
YUV	167.2740, -5.5581, 9.4067
Hunter-Lab	61.9808, -0.0767, 8.1039

Details

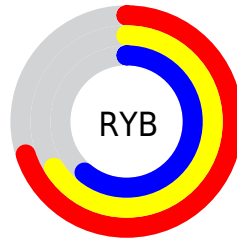
The XYZ color **37.6363, 38.4162, 36.8839** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1207, 39.0309, 47.7498**, and the grayscale version is **36.8876, 38.8086, 42.2626**.

A 20% lighter version of the original color is **70.8961, 72.8086, 71.2896**, and **16.8014, 16.9682, 15.7543** is the 20% darker color. If you saturate the color by 10%, you get **34.3012, 33.9837, 28.8728**, and if you desaturate by 10%, it is **41.3750, 43.3015, 46.1202**.

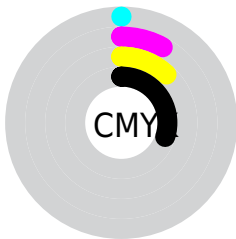
Distribution



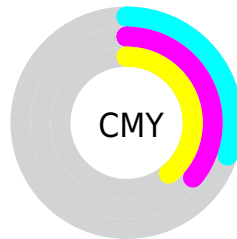
- Red (70%)
- Green (64%)
- Blue (61%)



- Red (70%)
- Yellow (66%)
- Blue (61%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (30%)



- Cyan (30%)
- Magenta (36%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6363, 38.4162, 36.8839 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 37.6363, 38.4162, 36.8839 by changing the saturation by 10% instead.

■ 37.6363, 38.4162,
36.8839

■ 37.6363, 38.4162,
36.8839

327.3651,
339.4020, 347.9611

■ 25.8765, 26.3059,
24.8225

■ 70.8578, 72.7456,
71.5785

■ 16.8634, 17.0526,
15.7271

■ 93.0502, 95.7335,
95.0488

■ 10.2319, 10.2720,
9.1790

119.4509,
123.1160, 123.1592

■ 5.6164, 5.5797,
4.7597

150.4251,
155.2776, 156.3282

■ 2.6517, 2.5912,
2.0507

186.3383,
192.6025, 194.9744

■ 0.9724, 0.9223,
0.5862

227.5558,

■ 0.0000, 0.0000,

235.4753, 239.5162

0.0000

274.4430,
284.2804, 290.3723

■ 37.6363, 38.4162,
36.8839

■ 37.6363, 38.4162,
36.8839

■ 34.3012, 33.9837,
28.8728

■ 41.3750, 43.3015,
46.1202

■ 31.3522, 29.9856,
22.0325

■ 45.5275, 48.6470,
56.6281

■ 28.7752, 26.4098,
16.3082

■ 50.1077, 54.4666,
68.4546

■ 26.5540, 23.2416,
11.6395

■ 55.1280, 60.7718,
81.6435

■ 24.6710, 20.4655,
7.9603

■ 60.6001, 67.5740,
96.2366

■ 23.1070, 18.0647,
5.1970

■ 65.2533, 74.3711,
105.5236

■ 21.8404, 16.0211,
3.2654

■ 68.5436, 80.9518,
106.6204

■ 20.8463, 14.3146,
2.0657

■ 72.0431, 87.9507,
107.7869

■ 20.2365, 13.2176,
1.4847

■ 72.1703, 88.2051,
107.8292

Harmonies

Analogous

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



38.4076, 38.4162, 39.0225



37.6363, 38.4162, 36.8839



36.5764, 38.4162, 36.0614

Triad

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



37.6363, 38.4162, 36.8839



34.4398, 38.4162, 41.6489



37.5253, 38.4162, 47.3923

Complementary

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



37.6363, 38.4162, 36.8839



36.1207, 39.0309, 47.7498

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.



36.4506, 38.4162, 48.1804



37.6363, 38.4162, 36.8839



34.6826, 38.4162, 44.7664

Square

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



37.6363, 38.4162, 36.8839



34.7434, 38.4162, 38.7254



35.4131, 38.4162, 47.1968



38.3426, 38.4162, 45.0935

Rectangle

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



37.6363, 38.4162, 36.8839



35.8535, 38.4162, 36.3370



35.4131, 38.4162, 47.1968



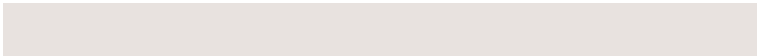
37.1815, 38.4162, 47.8476

Sweetspot

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



37.6374, 38.4179, 36.8847



73.8187, 76.9508, 80.6105



37.5331, 36.1561, 43.1802



16.2385, 16.8976, 17.5705



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.



37.6374, 38.4179, 36.8847



66.4240, 67.2529, 62.4493



39.6329, 42.4090, 37.5499



8.7411, 8.9946, 8.9280



14.5346, 9.5678, 1.0807



0.5140, 0.4145, 0.0529

Inverse Universe

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



36.1207, 39.0309, 47.7498



63.0948, 68.5975, 86.2964



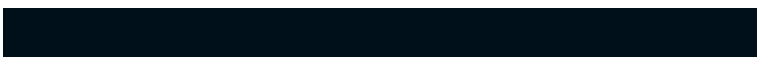
34.1965, 35.1824, 47.1084



8.4775, 9.1012, 10.8162



10.0559, 10.9123, 31.7133



0.3695, 0.4496, 1.0155

Previews

White Background



This preview shows how the XYZ color 37.6363, 38.4162, 36.8839 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 37.6363, 38.4162, 36.8839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

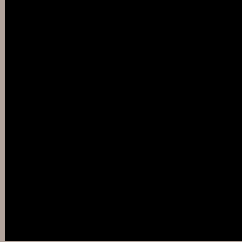
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6363, 38.4162, 36.8839

Background



This preview shows how black text looks on a background with the XYZ color 37.6363, 38.4162, 36.8839.



This preview shows how white text looks on a background with the XYZ color 37.6363, 38.4162,

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

37.6363, 38.4162, 36.8839

Protanopia

36.7353, 38.4774, 37.3890

Deuteranopia

39.0804, 38.3632, 37.2434



Tritanopia

39.2072, 38.2490, 45.3608

Trichromacy



Original Color

37.6363, 38.4162, 36.8839

Protanomaly

36.9965, 38.3433, 37.3494

Deuteranomaly

38.5346, 38.3423, 37.2681

Tritanomaly

38.4858, 38.2144, 41.9069

Monochromacy



Original Color

37.6363, 38.4162, 36.8839

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0417, 38.5747, 40.1437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6363, 38.4162, 36.8839 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(178, 164, 156)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 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(178, 164, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 156) }
```

Border

The CSS property to change the border of an element to XYZ 37.6363, 38.4162, 36.8839 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(178, 164, 156) }
```


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

```
.border{ border-color:rgb(178, 164, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 164, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 156);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6363, 38.4162, 36.8839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 156) }
```

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

```
.background{ background-color: rgb(178,  
164, 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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