

Converting Colors

XYZ(32.6981, 30.4025, 38.0777)

Have a look what the booklet for
XYZ(32.6981, 30.4025, 38.0777)
contains.

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Color

**XYZ(32.6836, 30.4653,
37.8760)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8EA1
RGB	170, 142, 161
RGB Percent	67%, 56%, 63%
CMY	0.3333, 0.4431, 0.3686
CMYK	0.00, 0.16, 0.05, 0.33
HSL	319°, 14%, 61%
HSV	319°, 16%, 67%
XYZ	32.6836, 30.4653, 37.8760
YIQ	152.5380, 10.5890, 11.8450

Conversions

Conversions Part 2

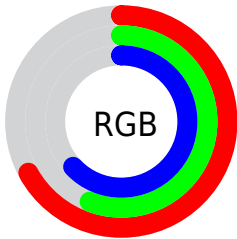
Format	Color
RYB	170, 142, 161
Decimal	11177633
CIELab	62.05, 13.86, -6.08
CIELCh	62, 15.133, 336.300
Yxy	30.4653, 0.3235, 0.3016
Android (android.graphics.Color)	4289367713 (0xFFAA8EA1)
YUV	152.5380, 4.1718, 15.3142
Hunter-Lab	55.1954, 9.1057, -2.0490

Details

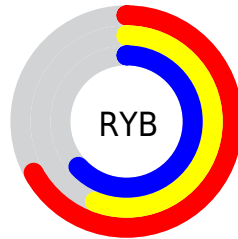
The XYZ color **32.6836, 30.4653, 37.8760** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1172, 36.7354, 34.7305**, and the grayscale version is **30.0577, 31.6230, 34.4375**.

A 20% lighter version of the original color is **63.1859, 60.4453, 73.3026**, and **14.1128, 12.6316, 16.4462** is the 20% darker color. If you saturate the color by 10%, you get **29.8734, 25.5990, 34.6135**, and if you desaturate by 10%, it is **35.9024, 36.1142, 41.3793**.

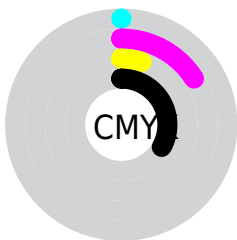
Distribution



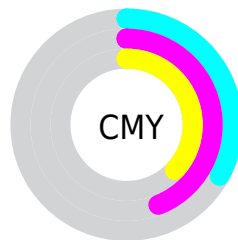
- Red (67%)
- Green (56%)
- Blue (63%)



- Red (67%)
- Yellow (56%)
- Blue (63%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (44%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6836, 30.4653, 37.8760 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 32.6836, 30.4653, 37.8760 by changing the saturation by 10% instead.


 32.6836, 30.4653,
37.8760


 32.6836, 30.4653,
37.8760


305.9119,
304.0673, 352.3700

 22.0422, 20.1920,
25.5854


 63.2392, 60.3972,
73.1194

 14.0047, 12.5347,
16.2907


 83.8842, 80.8247,
96.9092

 8.2057, 7.1089,
9.5735


 108.5944,
105.4057, 125.3691

 4.2797, 3.5303,
5.0152

137.7353,
134.5246, 158.9178

 1.8616, 1.4145,
2.1973

171.6721,
168.5658, 197.9736

 0.5544, 0.2274,
0.6728

210.7702,

 0.0000, 0.0000,

207.9138, 242.9553

0.0000

255.3950,
252.9528, 294.2812

■ 32.6836, 30.4653,
37.8760

■ 32.6836, 30.4653,
37.8760

■ 29.8734, 25.5990,
34.6135

■ 35.9024, 36.1142,
41.3793

■ 27.4515, 21.4764,
31.5827

■ 39.5437, 42.5744,
45.1284

■ 25.3997, 18.0612,
28.7766

■ 43.6240, 49.8782,
49.1303

■ 23.6973, 15.3124,
26.1869

■ 48.1582, 58.0547,
53.3912

■ 22.3216, 13.1850,
23.8046

■ 53.1603, 67.1317,
57.9170

■ 21.2469, 11.6281,
21.6197

■ 58.6439, 77.1360,
62.7135

■ 20.4435, 10.5828,
19.6210

■ 62.6762, 84.2015,
67.1375

■ 19.8704, 9.9675,
17.7932

■ 63.3234, 84.4604,
70.5457

■ 19.6926, 9.7921,
17.1781

■ 63.9937, 84.7285,
74.0752

Harmonies

Analogous

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



31.3317, 30.4653, 43.0324



32.6836, 30.4653, 37.8760



33.0164, 30.4653, 31.9587

Triad

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



32.6836, 30.4653, 37.8760



28.5297, 30.4653, 23.2455



25.9200, 30.4653, 40.2472

Complementary

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



32.6836, 30.4653, 37.8760



31.1172, 36.7354, 34.7305

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.



25.2436, 30.4653, 34.4147



32.6836, 30.4653, 37.8760



26.7042, 30.4653, 24.9454

Square

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



32.6836, 30.4653, 37.8760



30.5555, 30.4653, 23.9437



25.5238, 30.4653, 28.8737



27.4140, 30.4653, 44.5096

Rectangle

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



32.6836, 30.4653, 37.8760



32.6025, 30.4653, 28.4563



25.5238, 30.4653, 28.8737



25.5928, 30.4653, 38.3808

Sweetspot

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



32.6845, 30.4666, 37.8767



66.0045, 67.0509, 75.9881



29.6678, 28.8164, 42.0291



14.6234, 14.7832, 16.8448



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.6845, 30.4666, 37.8767



57.2298, 51.6739, 66.3660



31.5286, 30.0043, 31.7898



7.7378, 7.6250, 8.9363



14.5122, 7.2136, 12.7745



0.3749, 0.1842, 0.4257

Inverse Universe

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



32.6845, 30.4666, 37.8767



57.2298, 51.6739, 66.3660



32.3105, 37.2127, 41.0143



7.7378, 7.6250, 8.9363



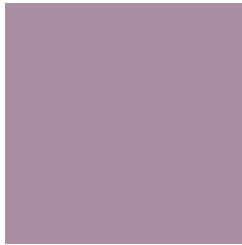
14.5122, 7.2136, 12.7745



0.3749, 0.1842, 0.4257

Previews

White Background



This preview shows how the XYZ color 32.6836, 30.4653, 37.8760 looks on a white background.

Color Contrast Check

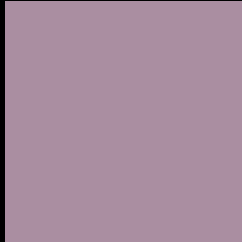
Large Text (above 18pt) WCAG AA × Fail

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 32.6836, 30.4653, 37.8760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

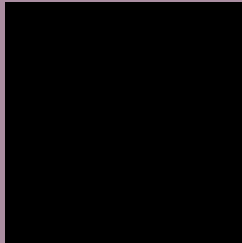
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6836, 30.4653, 37.8760

Background



This preview shows how black text looks on a background with the XYZ color 32.6836, 30.4653, 37.8760.



This preview shows how white text looks on a background with the XYZ color 32.6836, 30.4653,

37.8760.

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

32.6836, 30.4653, 37.8760

Protanopia

29.7517, 30.5074, 39.9177

Deuteranopia

31.1213, 30.5694, 37.5179



Tritanopia

32.0174, 30.4130, 34.7547

Trichromacy



Original Color

32.6836, 30.4653, 37.8760

Protanomaly

30.6900, 30.3060, 39.3541

Deuteranomaly

31.7804, 30.6814, 37.5048

Tritanomaly

32.2704, 30.5143, 36.0873

Monochromacy



Original Color

32.6836, 30.4653, 37.8760

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0463, 31.2661, 35.8511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6836, 30.4653, 37.8760 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(170, 142, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 142, 161)  
}
```

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(170, 142, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 142, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.6836, 30.4653, 37.8760 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(170, 142, 161) }
```


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

```
.border{ border-color:rgb(170, 142, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 142, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 142, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 142, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 142,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6836, 30.4653, 37.8760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 142, 161) }
```

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

```
.background{ background-color: rgb(170,  
142, 161) }
```

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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