

Converting Colors

XYZ(34.2248, 27.5948, 37.1945)

Have a look what the booklet for
XYZ(34.2248, 27.5948, 37.1945)
contains.

XYZ(34.1342, 27.5533, 37.2375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.1342, 27.5533,
37.2375)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7CA1
RGB	187, 124, 161
RGB Percent	73%, 49%, 63%
CMY	0.2667, 0.5137, 0.3686
CMYK	0.00, 0.34, 0.14, 0.27
HSL	325°, 32%, 61%
HSV	325°, 34%, 73%
XYZ	34.1342, 27.5533, 37.2375
YIQ	147.0550, 25.6710, 24.8630

Conversions

Conversions Part 2

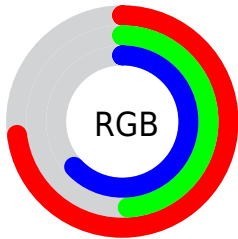
Format	Color
R_{YB}	187, 124, 161
Decimal	12287137
CIE _{Lab}	59.48, 30.04, -9.72
CIE _{LCh}	59, 31.578, 342.073
Yxy	27.5533, 0.3451, 0.2785
Android (android.graphics.Color)	4290477217 (0xFFBB7CA1)
YUV	147.0550, 6.8749, 35.0318
Hunter-Lab	52.4912, 24.2160, -5.3167

Details

The XYZ color **34.1342, 27.5533, 37.2375** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.5887, 42.0285, 35.3034**, and the grayscale version is **27.7216, 29.1653, 31.7610**.

A 20% lighter version of the original color is **65.4250, 55.6352, 72.2561**, and **14.8820, 10.9882, 15.8046** is the 20% darker color. If you saturate the color by 10%, you get **31.3495, 23.0394, 33.0544**, and if you desaturate by 10%, it is **37.4069, 32.9753, 41.7911**.

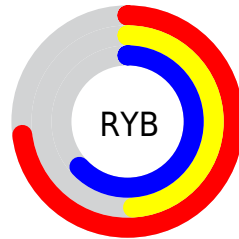
Distribution



Red (73%)

Green (49%)

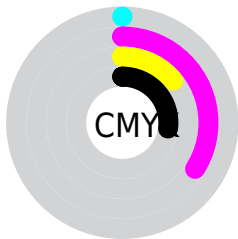
Blue (63%)



Red (73%)

Yellow (49%)

Blue (63%)

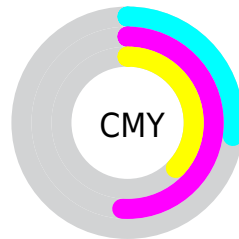


Cyan (0%)

Magenta (34%)

Yellow (14%)

Black (27%)



Cyan (27%)


Magenta (51%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1342, 27.5533, 37.2375 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 34.1342, 27.5533, 37.2375 by changing the saturation by 10% instead.


 34.1342, 27.5533,
37.2375


 34.1342, 27.5533,
37.2375


312.3054,
290.3262, 349.5372

 23.1601, 17.9892,
25.0942


 65.4852, 55.7705,
72.1283

 14.8331, 10.9422,
15.9276


 86.5928, 75.1923,
95.7129

 8.7879, 6.0280,
9.3191


 111.8090, 98.6689,
123.9484

 4.6591, 2.8621,
4.8503

141.4990,
126.5846, 157.2532

 2.0813, 1.0602,
2.1025

176.0284,
159.3237, 196.0460

 0.6790, 0.0000,
0.6172

215.7623,

 0.0000, 0.0000,

197.2708, 240.7452

0.0000

261.0662,
240.8102, 291.7694

■ 34.1342, 27.5533,
37.2375

■ 34.1342, 27.5533,
37.2375

■ 31.3495, 23.0394,
33.0544

■ 37.4069, 32.9753,
41.7911

■ 29.0245, 19.3792,
29.2279

■ 41.1892, 39.3482,
46.7253

■ 27.1314, 16.5181,
25.7451

■ 45.5041, 46.7169,
52.0514

■ 25.6385, 14.3938,
22.5916

■ 50.3725, 55.1221,
57.7799

■ 24.5092, 12.9345,
19.7511

■ 55.8144, 64.6023,
63.9207

■ 23.6997, 12.0539,
17.2048

■ 61.8484, 75.1940,
70.4835

■ 23.2985, 11.6868,
15.7288

■ 68.4925, 86.9320,
77.4773

■ 69.5385, 87.3988,
82.8359

■ 70.6016, 87.8241,
88.4342

Harmonies

Analogous

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



31.6375, 27.5533, 49.3063



34.1342, 27.5533, 37.2375



34.3753, 27.5533, 25.6613

Triad

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



34.1342, 27.5533, 37.2375



24.6259, 27.5533, 13.3119



20.9264, 27.5533, 47.1421

Complementary

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



34.1342, 27.5533, 37.2375



31.5887, 42.0285, 35.3034

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.



19.4173, 27.5533, 34.8040



34.1342, 27.5533, 37.2375



21.4042, 27.5533, 16.5348

Square

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



34.1342, 27.5533, 37.2375



28.6066, 27.5533, 13.6506



19.5829, 27.5533, 23.7683



23.9109, 27.5533, 55.9446

Rectangle

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



34.1342, 27.5533, 37.2375



33.1960, 27.5533, 19.8348



19.5829, 27.5533, 23.7683



20.2440, 27.5533, 43.1549

Sweetspot

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



34.1350, 27.5546, 37.2381



76.3830, 74.9178, 86.9664



28.6094, 24.4130, 50.2184



16.5871, 16.1001, 18.8597



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.1350, 27.5546, 37.2381



57.5740, 43.5559, 61.4096



31.7516, 26.6012, 24.6873



9.7588, 9.6278, 11.1189



16.0893, 8.0669, 11.0299



0.6620, 0.3287, 0.5996

Inverse Universe

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



34.1350, 27.5546, 37.2381



57.5740, 43.5559, 61.4096



34.3932, 43.1503, 50.0716



9.7588, 9.6278, 11.1189



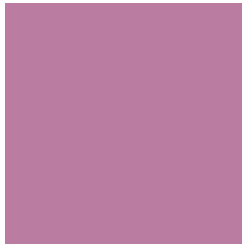
16.0893, 8.0669, 11.0299



0.6620, 0.3287, 0.5996

Previews

White Background



This preview shows how the XYZ color 34.1342, 27.5533, 37.2375 looks on a white background.

Color Contrast Check

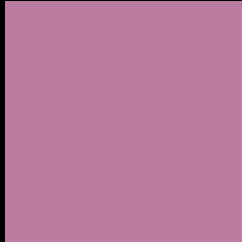
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1342, 27.5533, 37.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

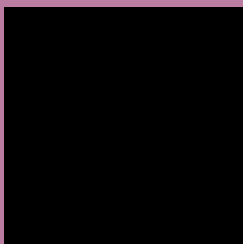
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1342, 27.5533, 37.2375

Background



This preview shows how black text looks on a background with the XYZ color 34.1342, 27.5533, 37.2375.



This preview shows how white text looks on a background with the XYZ color 34.1342, 27.5533,

37.2375.

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

34.1342, 27.5533, 37.2375

Protanopia

27.5324, 27.6815, 43.4271

Deuteranopia

28.3121, 27.8041, 36.2223



Tritanopia

32.0738, 27.4637, 27.6553

Trichromacy



Original Color

34.1342, 27.5533, 37.2375

Protanomaly

29.3430, 27.1611, 41.2322

Deuteranomaly

30.0929, 27.4459, 36.5124

Tritanomaly

32.7853, 27.5684, 30.7874

Monochromacy



Original Color

34.1342, 27.5533, 37.2375

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.8004, 28.4136, 33.6195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1342, 27.5533, 37.2375 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(187, 124, 161)` looks like.

```
.text, #text, p{  
    color:rgb(187, 124, 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(187, 124, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 124, 161) }
```

Border

The CSS property to change the border of an element to XYZ 34.1342, 27.5533, 37.2375 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(187, 124, 161) }
```


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

```
.border{ border-color:rgb(187, 124, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 124, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 124, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 124, 161);  
box-shadow:4px 4px 4px 4px rgb(187, 124,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1342, 27.5533, 37.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 124, 161) }
```

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

```
.background{ background-color: rgb(187,  
124, 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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