

Converting Colors

XYZ(33.6672, 29.5511, 37.7048)

Have a look what the booklet for
XYZ(33.6672, 29.5511, 37.7048)
contains.

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Color

**XYZ(33.6874, 29.4849,
37.6338)**

Conversions

Conversions Part 1

Format	Color
Hex	B387A1
RGB	179, 135, 161
RGB Percent	70%, 53%, 63%
CMY	0.2980, 0.4706, 0.3686
CMYK	0.00, 0.25, 0.10, 0.30
HSL	325°, 22%, 62%
HSV	325°, 25%, 70%
XYZ	33.6874, 29.4849, 37.6338
YIQ	151.1200, 17.8780, 17.4140

Conversions

Conversions Part 2

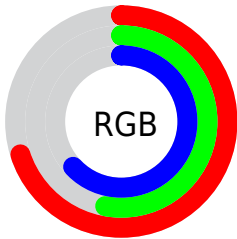
Format	Color
R_{YB}	179, 135, 161
Decimal	11765665
CIE _{Lab}	61.21, 21.06, -7.24
CIE _{LCh}	61, 22.266, 341.020
Yxy	29.4849, 0.3342, 0.2925
Android (android.graphics.Color)	4289955745 (0xFFB387A1)
YUV	151.1200, 4.8708, 24.4508
Hunter-Lab	54.3000, 15.7153, -3.0822

Details

The XYZ color **33.6874, 29.4849, 37.6338** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.8628, 39.6918, 36.1208**, and the grayscale version is **29.4420, 30.9752, 33.7320**.

A 20% lighter version of the original color is **64.8532, 59.0152, 72.9387**, and **14.6130, 12.0367, 16.0211** is the 20% darker color. If you saturate the color by 10%, you get **30.7699, 24.6531, 33.5679**, and if you desaturate by 10%, it is **37.0643, 35.1743, 42.0401**.

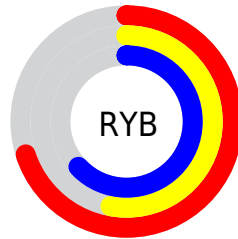
Distribution



Red (70%)

Green (53%)

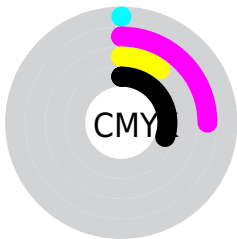
Blue (63%)



Red (70%)

Yellow (53%)

Blue (63%)

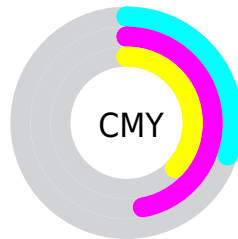


Cyan (0%)

Magenta (25%)

Yellow (10%)

Black (30%)



Cyan (30%)


Magenta (47%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6874, 29.4849, 37.6338 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 33.6874, 29.4849, 37.6338 by changing the saturation by 10% instead.


 33.6874, 29.4849,
37.6338


 33.6874, 29.4849,
37.6338

310.3464,
299.4960, 351.2974


 22.8153, 19.4479,
25.3990


 64.7948, 58.8466,
72.7437

 14.5771, 11.9944,
16.1528


 85.7608, 78.9402,
96.4558

 8.6075, 6.7399,
9.4768


 110.8221,
103.1547, 124.8308

 4.5411, 3.3000,
4.9525

140.3442,
131.8746, 158.2872

 2.0126, 1.2903,
2.1611

174.6922,
165.4843, 197.2435

 0.6410, 0.1336,
0.6518

214.2318,

 0.0000, 0.0000,

204.3682, 242.1183

0.0000

259.3280,
248.9106, 293.3301

■ 33.6874, 29.4849,
37.6338

■ 33.6874, 29.4849,
37.6338

■ 30.7699, 24.6531,
33.5679

■ 37.0643, 35.1743,
42.0401

■ 28.2877, 20.6326,
29.8303

■ 40.9182, 41.7565,
46.7949

■ 26.2181, 17.3790,
26.4105

■ 45.2689, 49.2697,
51.9079

■ 24.5354, 14.8417,
23.2965

■ 50.1342, 57.7487,
57.3882

■ 23.2107, 12.9642,
20.4754

■ 55.5311, 67.2265,
63.2443

■ 22.2110, 11.6814,
17.9324

■ 61.4757, 77.7343,
69.4843

■ 21.4961, 10.9145,
15.6507

■ 66.2676, 85.8706,
75.5443

■ 21.1800, 10.6196,
14.5057

■ 67.2143, 86.2493,
80.5294

■ 68.2034, 86.6449,
85.7381

Harmonies

Analogous

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



31.8809, 29.4849, 45.8570



33.6874, 29.4849, 37.6338



33.9164, 29.4849, 29.1221

Triad

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



33.6874, 29.4849, 37.6338



26.9630, 29.4849, 18.7454



23.9911, 29.4849, 43.8804

Complementary

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



33.6874, 29.4849, 37.6338



31.8628, 39.6918, 36.1208

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.



22.8578, 29.4849, 35.2829



33.6874, 29.4849, 37.6338



24.4924, 29.4849, 21.4189

Square

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



33.6874, 29.4849, 37.6338



29.8941, 29.4849, 19.1527



23.0347, 29.4849, 27.1444



26.2345, 29.4849, 49.8746

Rectangle

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



33.6874, 29.4849, 37.6338



33.1268, 29.4849, 24.4971



23.0347, 29.4849, 27.1444



23.4750, 29.4849, 41.1422

Sweetspot

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



33.6883, 29.4862, 37.6344



71.4471, 71.6352, 81.5850



29.8634, 27.3176, 46.3471



15.7369, 15.7128, 17.9626



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.



33.6883, 29.4862, 37.6344



57.6674, 48.3709, 63.7502



31.9450, 28.7889, 28.4543



8.7000, 8.5867, 9.9184



14.9996, 7.5174, 10.4237



0.5000, 0.2478, 0.4759

Inverse Universe

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



33.6883, 29.4862, 37.6344



57.6674, 48.3709, 63.7502



33.8114, 40.4713, 46.3820



8.7000, 8.5867, 9.9184



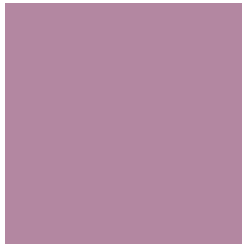
14.9996, 7.5174, 10.4237



0.5000, 0.2478, 0.4759

Previews

White Background



This preview shows how the XYZ color 33.6874, 29.4849, 37.6338 looks on a white background.

Color Contrast Check

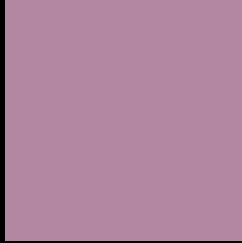
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6874, 29.4849, 37.6338 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 33.6874, 29.4849, 37.6338

Background



This preview shows how black text looks on a background with the XYZ color 33.6874, 29.4849, 37.6338.



This preview shows how white text looks on a background with the XYZ color 33.6874, 29.4849,

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

33.6874, 29.4849, 37.6338

Protanopia

29.2722, 29.7518, 41.7360

Deuteranopia

30.1359, 29.6178, 36.9294



Tritanopia

32.4224, 29.3766, 31.9784

Trichromacy



Original Color

33.6874, 29.4849, 37.6338

Protanomaly

30.6100, 29.5662, 40.1699

Deuteranomaly

31.3871, 29.5872, 37.3143

Tritanomaly

32.9140, 29.3732, 34.0718

Monochromacy



Original Color

33.6874, 29.4849, 37.6338

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7397, 30.1944, 35.2183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6874, 29.4849, 37.6338 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(179, 135, 161)` looks like.

```
.text, #text, p{  
    color:rgb(179, 135, 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(179, 135, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 135, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.6874, 29.4849, 37.6338 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(179, 135, 161) }
```


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

```
.border{ border-color:rgb(179, 135, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 135, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 135, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 135, 161);  
box-shadow:4px 4px 4px 4px rgb(179, 135,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6874, 29.4849, 37.6338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 135, 161) }
```

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

```
.background{ background-color: rgb(179,  
135, 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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