

Converting Colors

XYZ(34.0265, 30.0796, 47.3007)

Have a look what the booklet for
XYZ(34.0265, 30.0796, 47.3007)
contains.

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Color

**XYZ(33.9043, 30.0183,
47.1872)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8AB4
RGB	170, 138, 180
RGB Percent	67%, 54%, 71%
CMY	0.3333, 0.4588, 0.2941
CMYK	0.06, 0.23, 0.00, 0.29
HSL	286°, 22%, 62%
HSV	286°, 23%, 71%
XYZ	33.9043, 30.0183, 47.1872
YIQ	152.3560, 5.5900, 19.8460

Conversions

Conversions Part 2

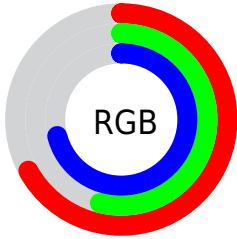
Format	Color
R _{YB}	170, 138, 180
Decimal	11176628
CIE _{Lab}	61.67, 19.82, -17.44
CIE _{LCh}	62, 26.397, 318.657
Yxy	30.0183, 0.3051, 0.2702
Android (android.graphics.Color)	4289366708 (0xFFAA8AB4)
YUV	152.3560, 13.6285, 15.4738
Hunter-Lab	54.7890, 14.5780, -12.7115

Details

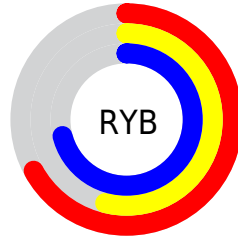
The XYZ color **33.9043, 30.0183, 47.1872** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.1225, 40.7742, 30.1706**, and the grayscale version is **29.9408, 31.5001, 34.3036**.

A 20% lighter version of the original color is **65.3540, 59.9242, 87.4789**, and **14.6566, 12.2937, 21.6791** is the 20% darker color. If you saturate the color by 10%, you get **30.6216, 24.8055, 46.3545**, and if you desaturate by 10%, it is **37.6471, 36.1053, 48.1653**.

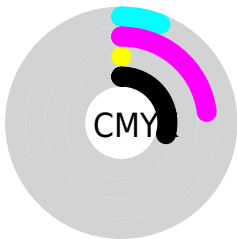
Distribution



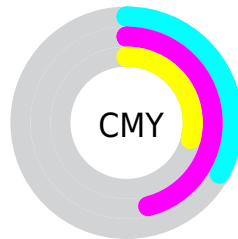
- Red (67%)
- Green (54%)
- Blue (71%)



- Red (67%)
- Yellow (54%)
- Blue (71%)



- Cyan (6%)
- Magenta (23%)
- Yellow (0%)
- Black (29%)



- Cyan (33%)
- Magenta (46%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9043, 30.0183, 47.1872 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 33.9043, 30.0183, 47.1872 by changing the saturation by 10% instead.

■ 33.9043, 30.0183,
47.1872

■ 33.9043, 30.0183,
47.1872

311.2985,
301.9897, 391.9766

■ 22.9826, 19.8525,
32.8283

■ 65.1301, 59.6911,
87.3459

■ 14.7013, 12.2879,
21.7249

■ 86.1649, 79.9669,
113.9827

■ 8.6950, 6.9400,
13.4585

■ 111.3015,
104.3815, 145.5493

■ 4.5983, 3.4246,
7.6106

140.9053,
133.3192, 182.4641

■ 2.0459, 1.3572,
3.7626

175.3415,
167.1645, 225.1457

■ 0.6595, 0.1849,
1.4960

214.9755,

■ 0.0000, 0.0000,

206.3018, 274.0126

0.2150

260.1728,
251.1154, 329.4834

■ 0.0000, 0.0000,
0.0000

■ 33.9043, 30.0183,
47.1872

■ 33.9043, 30.0183,
47.1872

■ 30.6216, 24.8055,
46.3545

■ 37.6471, 36.1053,
48.1653

■ 27.7748, 20.4206,
45.6582

■ 41.8670, 43.1019,
49.2934

■ 25.3417, 16.8191,
45.0913

■ 46.5837, 51.0463,
50.5782

■ 23.2969, 13.9507,
44.6454

■ 51.8148, 59.9736,
52.0256

■ 21.6120, 11.7590,
44.3111

■ 57.5771, 69.9167,
53.6411

■ 20.2545, 10.1792,
44.0777

■ 63.8865, 80.9072,
55.4300

■ 19.1853, 9.1339,
43.9323

■ 67.8182, 87.0949,
56.4171

■ 18.5784, 8.6258,
43.8663

■ 68.9790, 87.6934,
56.4714

■ 70.1722, 88.3085,
56.5273

Harmonies

Analogous

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



30.7454, 30.0183, 54.6307



33.9043, 30.0183, 47.1872



35.6734, 30.0183, 36.6356

Triad

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



33.9043, 30.0183, 47.1872



29.8796, 30.0183, 17.1605



22.6030, 30.0183, 39.2663

Complementary

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



33.9043, 30.0183, 47.1872



33.1225, 40.7742, 30.1706

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.



22.4127, 30.0183, 29.0288



33.9043, 30.0183, 47.1872



26.4265, 30.0183, 17.5792

Square

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



33.9043, 30.0183, 47.1872



33.2258, 30.0183, 20.2151



23.7586, 30.0183, 21.5074



24.3015, 30.0183, 49.4497

Rectangle

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



33.9043, 30.0183, 47.1872



35.7372, 30.0183, 29.8609



23.7586, 30.0183, 21.5074



22.3660, 30.0183, 35.6814

Sweetspot

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



33.9052, 30.0196, 47.1879



72.9103, 73.1476, 88.5707



29.3892, 30.0369, 47.4292



15.6611, 15.6481, 19.1172



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.



33.9052, 30.0196, 47.1879



58.3106, 49.3721, 84.7511



35.1202, 30.7649, 41.8707



8.6484, 8.5428, 10.6994



13.0284, 6.0522, 30.6185



0.4579, 0.2152, 0.9656

Inverse Universe

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



33.2572, 30.0197, 32.0598



57.0103, 49.4212, 52.1859



32.1885, 40.2006, 34.2892



8.5765, 8.5373, 9.2686



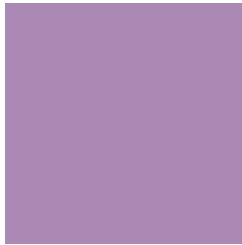
13.4619, 6.9023, 2.3263



0.4466, 0.2264, 0.1945

Previews

White Background



This preview shows how the XYZ color 33.9043, 30.0183, 47.1872 looks on a white background.

Color Contrast Check

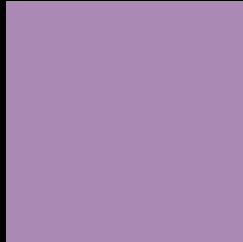
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9043, 30.0183, 47.1872 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 33.9043, 30.0183, 47.1872

Background



This preview shows how black text looks on a background with the XYZ color 33.9043, 30.0183, 47.1872.



This preview shows how white text looks on a background with the XYZ color 33.9043, 30.0183,

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

33.9043, 30.0183, 47.1872

Protanopia

30.3748, 30.3431, 51.2696

Deuteranopia

30.7092, 30.1617, 46.3227



Tritanopia

31.3811, 30.0850, 34.7249

Trichromacy



Original Color

33.9043, 30.0183, 47.1872

Protanomaly

31.3875, 29.9865, 49.4811

Deuteranomaly

31.8638, 30.0677, 46.7721

Tritanomaly

32.0721, 29.9096, 38.7331

Monochromacy



Original Color

33.9043, 30.0183, 47.1872

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.2534, 30.8470, 38.4893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9043, 30.0183, 47.1872 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, 138, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 138, 180)  
}
```

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, 138, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 138, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.9043, 30.0183, 47.1872 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, 138, 180) }
```


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

```
.border{ border-color:rgb(170, 138, 180) }
```

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

Here you see how a box with a 4 pixel rgb(170, 138, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 138, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 138, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 138,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9043, 30.0183, 47.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 138, 180) }
```

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

```
.background{ background-color: rgb(170,  
138, 180) }
```

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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