

Converting Colors

XYZ(34.1781, 30.3748, 45.4815)

Have a look what the booklet for
XYZ(34.1781, 30.3748, 45.4815)
contains.

XYZ(34.1817, 30.4102, 45.6632)	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(34.1817, 30.4102,
45.6632)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8BB1
RGB	172, 139, 177
RGB Percent	67%, 55%, 69%
CMY	0.3255, 0.4549, 0.3059
CMYK	0.03, 0.21, 0.00, 0.31
HSL	292°, 20%, 62%
HSV	292°, 21%, 69%
XYZ	34.1817, 30.4102, 45.6632
YIQ	153.1990, 7.4700, 18.8140

Conversions

Conversions Part 2

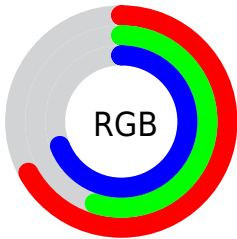
Format	Color
RYB	172, 139, 177
Decimal	11307953
CIELab	62.01, 19.33, -15.21
CIELCh	62, 24.598, 321.806
Yxy	30.4102, 0.3100, 0.2758
Android (android.graphics.Color)	4289498033 (0xFFAC8BB1)
YUV	153.1990, 11.7339, 16.4885
Hunter-Lab	55.1454, 14.1380, -10.4933

Details

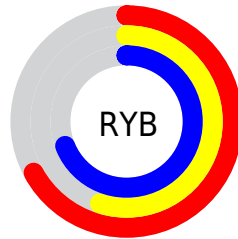
The XYZ color **34.1817, 30.4102, 45.6632** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.8850, 39.2384, 30.3208**, and the grayscale version is **30.3139, 31.8926, 34.7310**.

A 20% lighter version of the original color is **65.7729, 60.5171, 85.3052**, and **14.8182, 12.5219, 20.7048** is the 20% darker color. If you saturate the color by 10%, you get **31.3171, 25.4326, 44.8539**, and if you desaturate by 10%, it is **37.4721, 36.2249, 46.6126**.

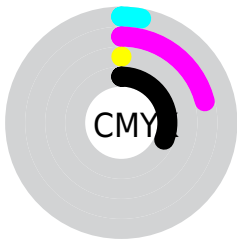
Distribution



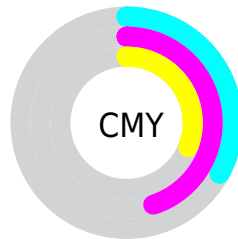
- Red (67%)
- Green (55%)
- Blue (69%)



- Red (67%)
- Yellow (55%)
- Blue (69%)



- Cyan (3%)
- Magenta (21%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1817, 30.4102, 45.6632 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 34.1817, 30.4102, 45.6632 by changing the saturation by 10% instead.


 34.1817, 30.4102,
45.6632

 34.1817, 30.4102,
45.6632


312.5132,
303.8118, 385.6911


 23.1968, 20.1502,
31.6334


 65.5585, 60.3103,
85.0437

 14.8604, 12.5042,
20.8191


 86.6812, 80.7191,
111.2314

 8.8071, 7.0881,
12.8019


 111.9137,
105.2796, 142.3089

 4.6717, 3.5172,
7.1632

141.6216,
134.3763, 178.6947

 2.0887, 1.4074,
3.4844

176.1701,
168.3934, 220.8072

 0.6831, 0.2221,
1.3470

215.9247,

 0.0000, 0.0000,

207.7155, 269.0651

0.0998

261.2505,
252.7268, 323.8869

■ 0.0000, 0.0000,
0.0000

■ 34.1817, 30.4102,
45.6632

■ 34.1817, 30.4102,
45.6632

■ 31.3171, 25.4326,
44.8539

■ 37.4721, 36.2249,
46.6126

■ 28.8554, 21.2483,
44.1760

■ 41.2041, 42.9100,
47.7062

■ 26.7761, 17.8154,
43.6229

■ 45.3961, 50.5017,
48.9506

■ 25.0553, 15.0866,
43.1869

■ 50.0647, 59.0331,
50.3513

■ 23.6668, 13.0092,
42.8591

■ 55.2256, 68.5355,
51.9134

■ 22.5803, 11.5231,
42.6295

■ 60.8938, 79.0389,
53.6421

■ 21.7603, 10.5568,
42.4862

■ 64.5099, 85.4244,
54.6840

■ 21.2075, 10.0161,
42.4110

■ 65.0896, 85.7232,
54.7111

■ 65.6785, 86.0268,
54.7387

Harmonies

Analogous

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



31.3250, 30.4102, 53.0055



34.1817, 30.4102, 45.6632



35.6484, 30.4102, 35.7689

Triad

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



34.1817, 30.4102, 45.6632



29.8175, 30.4102, 18.1882



23.4053, 30.4102, 40.3291

Complementary

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



34.1817, 30.4102, 45.6632



31.8850, 39.2384, 30.3208

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.



23.0688, 30.4102, 30.5892



34.1817, 30.4102, 45.6632



26.6110, 30.4102, 18.9460

Square

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



34.1817, 30.4102, 45.6632



33.0065, 30.4102, 20.7873



24.1996, 30.4102, 23.1006



25.1563, 30.4102, 49.5405

Rectangle

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



34.1817, 30.4102, 45.6632



35.5686, 30.4102, 29.5318



24.1996, 30.4102, 23.1006



23.1286, 30.4102, 36.9695

Sweetspot

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



34.1826, 30.4115, 45.6639



70.5956, 71.1016, 84.4985



28.5679, 28.6314, 45.6162



15.2080, 15.2455, 18.2855



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.1826, 30.4115, 45.6639



58.5724, 49.8451, 81.0293



33.9819, 30.4604, 38.7710



8.7379, 8.5889, 10.7036



15.4019, 7.2758, 30.7296



0.5150, 0.2446, 0.9683

Inverse Universe

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



32.3991, 29.8273, 30.4365



54.8197, 48.6277, 48.4487



32.1149, 39.2317, 35.9892



8.5404, 8.5229, 9.0781



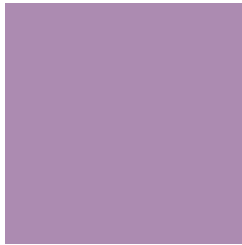
13.2643, 6.8233, 1.2859



0.4317, 0.2204, 0.1161

Previews

White Background



This preview shows how the XYZ color 34.1817, 30.4102, 45.6632 looks on a white background.

Color Contrast Check

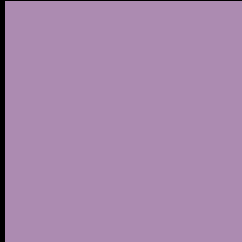
Large Text (above 18pt) WCAG AA × Fail

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 34.1817, 30.4102, 45.6632 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 34.1817, 30.4102, 45.6632

Background



This preview shows how black text looks on a background with the XYZ color 34.1817, 30.4102, 45.6632.



This preview shows how white text looks on a background with the XYZ color 34.1817, 30.4102,

45.6632.

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

34.1817, 30.4102, 45.6632

Protanopia

30.5545, 30.7064, 49.6639

Deuteranopia

31.0643, 30.3678, 45.2986



Tritanopia

32.0174, 30.4130, 34.7547

Trichromacy



Original Color

34.1817, 30.4102, 45.6632

Protanomaly

31.6028, 30.3593, 47.9103

Deuteranomaly

31.9570, 30.1504, 45.2096

Tritanomaly

32.7722, 30.5007, 38.3424

Monochromacy



Original Color

34.1817, 30.4102, 45.6632

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.6087, 31.2620, 38.5506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1817, 30.4102, 45.6632 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(172, 139, 177)` looks like.

```
.text, #text, p{  
    color:rgb(172, 139, 177)  
}
```

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(172, 139, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 139, 177) }
```

Border

The CSS property to change the border of an element to XYZ 34.1817, 30.4102, 45.6632 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(172, 139, 177) }
```


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

```
.border{ border-color:rgb(172, 139, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 139, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 139, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 139, 177);  
box-shadow:4px 4px 4px 4px rgb(172, 139,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1817, 30.4102, 45.6632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 139, 177) }
```

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

```
.background{ background-color: rgb(172,  
139, 177) }
```

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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