

Converting Colors

XYZ(34.9732, 30.3222, 52.3585)

Have a look what the booklet for
XYZ(34.9732, 30.3222, 52.3585)
contains.

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Color

**XYZ(34.9256, 30.2234,
52.1370)**

Conversions

Conversions Part 1

Format	Color
Hex	AB89BD
RGB	171, 137, 189
RGB Percent	67%, 54%, 74%
CMY	0.3294, 0.4627, 0.2588
CMYK	0.10, 0.28, 0.00, 0.26
HSL	279°, 28%, 64%
HSV	279°, 28%, 74%
XYZ	34.9256, 30.2234, 52.1370
YIQ	153.0940, 3.5720, 23.3800

Conversions

Conversions Part 2

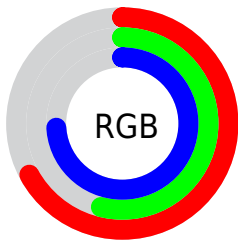
Format	Color
R_{YB}	171, 137, 189
Decimal	11241917
CIE _{Lab}	61.85, 22.58, -22.25
CIE _{LCh}	62, 31.702, 315.426
Yxy	30.2234, 0.2978, 0.2577
Android (android.graphics.Color)	4289431997 (0xFFAB89BD)
YUV	153.0940, 17.7017, 15.7036
Hunter-Lab	54.9758, 17.1916, -17.7453

Details

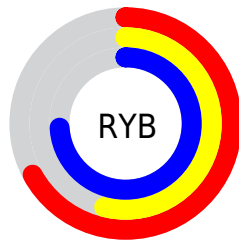
The XYZ color **34.9256, 30.2234, 52.1370** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.2315, 45.1706, 30.4775**, and the grayscale version is **30.2443, 31.8194, 34.6513**.

A 20% lighter version of the original color is **66.7908, 60.1851, 94.4828**, and **15.3233, 12.4455, 24.8871** is the 20% darker color. If you saturate the color by 10%, you get **31.0809, 24.5970, 51.2541**, and if you desaturate by 10%, it is **39.3134, 36.8300, 53.1814**.

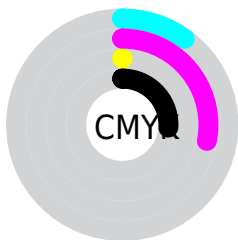
Distribution



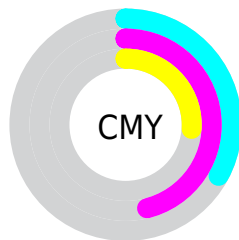
- Red (67%)
- Green (54%)
- Blue (74%)



- Red (67%)
- Yellow (54%)
- Blue (74%)



- Cyan (10%)
- Magenta (28%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (46%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9256, 30.2234, 52.1370 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 34.9256, 30.2234, 52.1370 by changing the saturation by 10% instead.

■ 34.9256, 30.2234,
52.1370

■ 34.9256, 30.2234,
52.1370

315.7536,
302.9444, 411.9373

■ 23.7718, 20.0082,
36.7313

■ 66.7053, 60.0153,
94.7619

■ 15.2883, 12.4010,
24.7054

■ 88.0619, 80.3608,
122.8182

■ 9.1096, 7.0174,
15.6407

■ 113.5501,
104.8519, 155.9284

■ 4.8704, 3.4730,
9.1186

143.5354,
133.8729, 194.5110

■ 2.2054, 1.3834,
4.7208

178.3830,
167.8082, 238.9847

■ 0.7456, 0.2044,
2.0285

218.4583,

■ 0.0000, 0.0000,

207.0423, 289.7680

0.5727

264.1268,
251.9596, 347.2793

■ 0.0000, 0.0000,
0.0000

■ 34.9256, 30.2234,
52.1370

■ 34.9256, 30.2234,
52.1370

■ 31.0809, 24.5970,
51.2541

■ 39.3134, 36.8300,
53.1814

■ 27.7508, 19.8972,
50.5225

■ 44.2651, 44.4589,
54.3929

■ 24.9085, 16.0713,
49.9338

■ 49.8040, 53.1544,
55.7794

■ 22.5233, 13.0594,
49.4782

■ 55.9510, 62.9571,
57.3476

■ 20.5606, 10.7941,
49.1443

■ 62.7260, 73.9055,
59.1037

■ 18.9802, 9.1964,
48.9193

■ 70.1480, 86.0361,
61.0540

■ 17.7239, 8.1517,
48.7838

■ 73.5007, 89.9150,
61.6260

■ 17.4366, 7.9278,
48.7558

■ 75.4818, 90.9363,
61.7187

■ 77.5409, 91.9978,
61.8151

Harmonies

Analogous

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



30.9471, 30.2234, 60.8936



34.9256, 30.2234, 52.1370



37.3492, 30.2234, 39.1316

Triad

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



34.9256, 30.2234, 52.1370



30.8244, 30.2234, 15.1057



21.5707, 30.2234, 39.5085

Complementary

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



34.9256, 30.2234, 52.1370



36.2315, 45.1706, 30.4775

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.



21.5448, 30.2234, 27.3822



34.9256, 30.2234, 52.1370



26.6147, 30.2234, 15.1592

Square

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



34.9256, 30.2234, 52.1370



34.8282, 30.2234, 18.9354



23.3080, 30.2234, 19.1054



23.3825, 30.2234, 52.4707

Rectangle

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



34.9256, 30.2234, 52.1370



37.6185, 30.2234, 30.7521



23.3080, 30.2234, 19.1054



21.3592, 30.2234, 35.1627

Sweetspot

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



34.9266, 30.2247, 52.1377



78.7015, 78.7284, 97.2743



31.2576, 32.5031, 52.7708



16.6243, 16.4645, 20.8443



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.



34.9266, 30.2247, 52.1377



58.2959, 47.8637, 92.3923



38.2938, 32.0558, 47.9935



9.6006, 9.5265, 12.0050



11.8166, 5.3777, 32.8081



0.5307, 0.2456, 1.2883

Inverse Universe

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



35.8493, 31.0780, 35.1207



60.3769, 49.7380, 56.2756



33.6106, 43.7525, 33.3822



9.6628, 9.5894, 10.6135



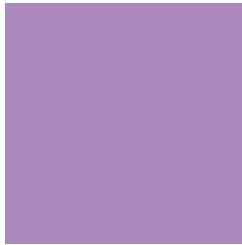
14.8033, 7.5525, 4.2578



0.6112, 0.3084, 0.3317

Previews

White Background



This preview shows how the XYZ color 34.9256, 30.2234, 52.1370 looks on a white background.

Color Contrast Check

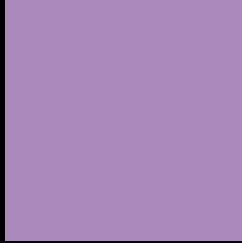
Large Text (above 18pt) WCAG AA × Fail

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 34.9256, 30.2234, 52.1370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

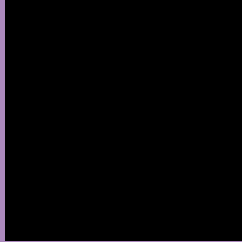
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9256, 30.2234, 52.1370

Background



This preview shows how black text looks on a background with the XYZ color 34.9256, 30.2234, 52.1370.



This preview shows how white text looks on a background with the XYZ color 34.9256, 30.2234,

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

34.9256, 30.2234, 52.1370

Protanopia

30.8213, 30.4453, 57.0754

Deuteranopia

31.0804, 30.4750, 51.2579



Tritanopia

31.4647, 30.1185, 35.1654

Trichromacy



Original Color

34.9256, 30.2234, 52.1370

Protanomaly

32.1053, 30.2311, 55.1820

Deuteranomaly

32.2260, 30.1458, 51.6972

Tritanomaly

32.6484, 30.1646, 40.6608

Monochromacy



Original Color

34.9256, 30.2234, 52.1370

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.8139, 31.0942, 40.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9256, 30.2234, 52.1370 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(171, 137, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 137, 189)  
}
```

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(171, 137, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 137, 189) }
```

Border

The CSS property to change the border of an element to XYZ 34.9256, 30.2234, 52.1370 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(171, 137, 189) }
```


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

```
.border{ border-color:rgb(171, 137, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 137, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 137, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 137, 189);  
box-shadow:4px 4px 4px 4px rgb(171, 137,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9256, 30.2234, 52.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 137, 189) }
```

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

```
.background{ background-color: rgb(171,  
137, 189) }
```

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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