

Converting Colors

XYZ(34.2946, 27.4361, 56.9364)

Have a look what the booklet for
XYZ(34.2946, 27.4361, 56.9364)
contains.

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Color

**XYZ(34.3212, 27.4024,
56.9063)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7DC6
RGB	171, 125, 198
RGB Percent	67%, 49%, 78%
CMY	0.3294, 0.5098, 0.2235
CMYK	0.14, 0.37, 0.00, 0.22
HSL	278°, 39%, 63%
HSV	278°, 37%, 78%
XYZ	34.3212, 27.4024, 56.9063
YIQ	147.0760, 3.9830, 32.4550

Conversions

Conversions Part 2

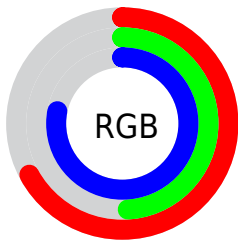
Format	Color
RYB	171, 125, 198
Decimal	11238854
CIELab	59.34, 31.29, -31.20
CIELCh	59, 44.182, 315.085
Yxy	27.4024, 0.2893, 0.2310
Android (android.graphics.Color)	4289428934 (0xFFAB7DC6)
YUV	147.0760, 25.1055, 20.9813
Hunter-Lab	52.3473, 25.4247, -27.8105

Details

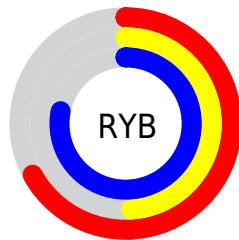
The XYZ color **34.3212, 27.4024, 56.9063** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.8456, 48.5449, 26.8314**, and the grayscale version is **27.6637, 29.1044, 31.6947**.

A 20% lighter version of the original color is **65.6489, 55.3917, 101.8393**, and **14.8862, 10.8277, 27.6909** is the 20% darker color. If you saturate the color by 10%, you get **30.5090, 22.0803, 56.0804**, and if you desaturate by 10%, it is **38.7233, 33.7716, 57.9041**.

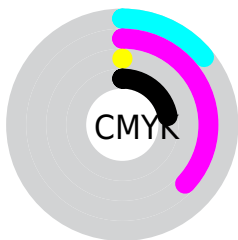
Distribution



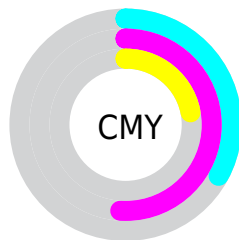
- Red (67%)
- Green (49%)
- Blue (78%)



- Red (67%)
- Yellow (49%)
- Blue (78%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3212, 27.4024, 56.9063 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 34.3212, 27.4024, 56.9063 by changing the saturation by 10% instead.


 34.3212, 27.4024,
56.9063


 34.3212, 27.4024,
56.9063


313.1227,
289.6002, 430.5820


 23.3045, 17.8757,
40.5212


 65.7738, 55.5289,
101.8274

 14.9405, 10.8608,
27.6282


 86.9405, 74.8975,
131.2005

 8.8636, 5.9733,
17.8090


 112.2212, 98.3155,
165.7400

 4.7087, 2.8288,
10.6449

141.9813,
126.1672, 205.8643

 2.1104, 1.0430,
5.7175

176.5861,
158.8372, 251.9922

 0.6949, 0.0000,
2.6081

216.4011,

 0.0000, 0.0000,

196.7098, 304.5421

0.8966

261.7915,
240.1693, 363.9325

■ 0.0000, 0.0000,
0.0000

■ 34.3212, 27.4024,
56.9063

■ 34.3212, 27.4024,
56.9063

■ 30.5090, 22.0803,
56.0804

■ 38.7233, 33.7716,
57.9041

■ 27.2525, 17.7414,
55.4145

■ 43.7413, 41.2400,
59.0812

■ 24.5184, 14.3200,
54.8982

■ 49.4028, 49.8601,
60.4466

■ 22.2677, 11.7409,
54.5190

■ 55.7328, 59.6801,
62.0084

■ 20.4555, 9.9162,
54.2624

■ 62.7552, 70.7454,
63.7742

■ 19.0220, 8.7286,
54.1087

■ 70.4922, 83.0991,
65.7509

■ 18.6166, 8.4197,
54.0704

■ 76.1586, 91.1688,
67.0098

■ 78.4544, 92.3523,
67.1173

■ 80.8488, 93.5866,
67.2293

Harmonies

Analogous

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



28.9106, 27.4024, 69.9402



34.3212, 27.4024, 56.9063



37.7264, 27.4024, 38.3784

Triad

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



34.3212, 27.4024, 56.9063



28.8781, 27.4024, 9.0280



17.0707, 27.4024, 38.4812

Complementary

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



34.3212, 27.4024, 56.9063



36.8456, 48.5449, 26.8314

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.



17.0646, 27.4024, 22.6666



34.3212, 27.4024, 56.9063



23.3756, 27.4024, 9.0385

Square

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



34.3212, 27.4024, 56.9063



34.2945, 27.4024, 13.0537



19.2195, 27.4024, 13.0903



19.2376, 27.4024, 57.0041

Rectangle

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



34.3212, 27.4024, 56.9063



38.1328, 27.4024, 27.2190



19.2195, 27.4024, 13.0903



16.8271, 27.4024, 32.6167

Sweetspot

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



34.3221, 27.4035, 56.9069



83.0310, 81.4760, 105.9580



30.0400, 31.2154, 57.8684



17.4767, 16.9896, 22.6081



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.3221, 27.4035, 56.9069



55.4286, 41.0261, 99.6052



39.8610, 30.3692, 52.1812



10.6881, 10.6130, 13.4027



12.2037, 5.5255, 35.1677



0.6558, 0.3018, 1.6688

Inverse Universe

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



36.2907, 28.9411, 33.3805



59.7156, 44.3182, 50.9188



32.9219, 46.4566, 29.6110



10.7934, 10.7007, 11.8951



15.9705, 8.1377, 5.0544



0.7911, 0.3993, 0.4231

Previews

White Background



This preview shows how the XYZ color 34.3212, 27.4024, 56.9063 looks on a white background.

Color Contrast Check

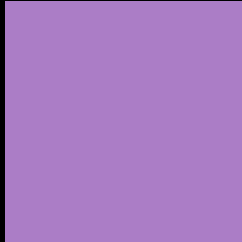
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3212, 27.4024, 56.9063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

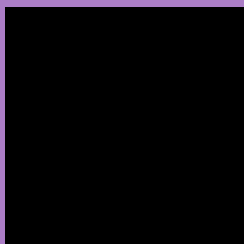
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3212, 27.4024, 56.9063

Background



This preview shows how black text looks on a background with the XYZ color 34.3212, 27.4024, 56.9063.



This preview shows how white text looks on a background with the XYZ color 34.3212, 27.4024,

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

34.3212, 27.4024, 56.9063

Protanopia

29.0285, 27.7460, 65.4536

Deuteranopia

28.2773, 27.5791, 55.4627



Tritanopia

29.0967, 27.4702, 30.9628

Trichromacy



Original Color

34.3212, 27.4024, 56.9063

Protanomaly

30.4520, 27.2731, 62.0518

Deuteranomaly

30.1294, 27.2428, 55.8949

Tritanomaly

30.7687, 27.3261, 39.2501

Monochromacy



Original Color

34.3212, 27.4024, 56.9063

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.8259, 28.2863, 39.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3212, 27.4024, 56.9063 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, 125, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 125, 198)  
}
```

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, 125, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 125, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.3212, 27.4024, 56.9063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

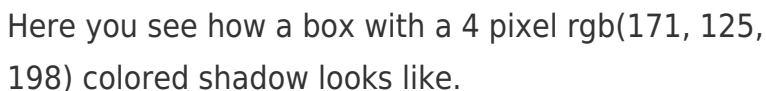
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 125, 198) }
```


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

```
.border{ border-color:rgb(171, 125, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 125, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 125, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 125, 198); box-shadow:4px 4px 4px 4px rgb(171, 125, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3212, 27.4024, 56.9063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 125, 198) }
```

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

```
.background{ background-color: rgb(171,  
125, 198) }
```

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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