

# Converting Colors

XYZ(34.2472, 24.9227, 62.5013)

Have a look what the booklet for  
XYZ(34.2472, 24.9227, 62.5013)  
contains.

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# Color

**XYZ(34.1926, 24.9131,  
62.6811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AC70D0
RGB	172, 112, 208
RGB Percent	67%, 44%, 82%
CMY	0.3255, 0.5608, 0.1843
CMYK	0.17, 0.46, 0.00, 0.18
HSL	278°, 51%, 63%
HSV	278°, 46%, 82%
XYZ	34.1926, 24.9131, 62.6811
YIQ	140.8840, 4.9440, 42.5760

# Conversions

## Conversions Part 2

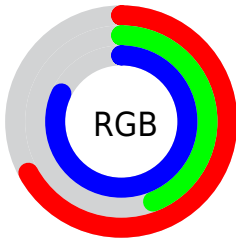
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 112, 208
Decimal	11301072
CIE <sub>Lab</sub>	56.99, 40.99, -40.53
CIE <sub>LCh</sub>	57, 57.644, 315.324
Yxy	24.9131, 0.2808, 0.2046
Android (android.graphics.Color)	4289491152 (0xFFAC70D0)
YUV	140.8840, 33.0882, 27.2887
Hunter-Lab	49.9130, 34.9325, -39.5176

# Details

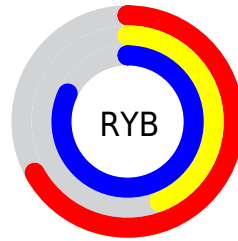
The XYZ color **34.1926, 24.9131, 62.6811** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.6940, 52.5781, 23.4922**, and the grayscale version is **25.1461, 26.4556, 28.8102**.

A 20% lighter version of the original color is **63.8182, 50.7883, 101.0473**, and **14.9436, 9.5967, 31.2017** is the 20% darker color. If you saturate the color by 10%, you get **30.4953, 19.9851, 61.9252**, and if you desaturate by 10%, it is **38.5222, 30.9550, 63.6195**.

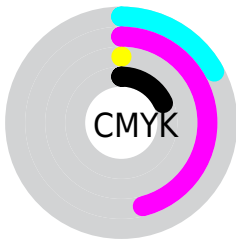
# Distribution



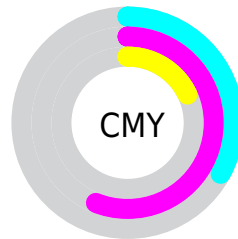
- Red (67%)
- Green (44%)
- Blue (82%)



- Red (67%)
- Yellow (44%)
- Blue (82%)



- Cyan (17%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (56%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1926, 24.9131, 62.6811 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 34.1926, 24.9131, 62.6811 by changing the saturation by 10% instead.



34.1926, 24.9131,  
62.6811

34.1926, 24.9131,  
62.6811

312.5608,  
277.4049, 452.4873

23.2052, 16.0123,  
45.1439

65.5754, 51.5162,  
110.2904

14.8666, 9.5329,  
31.2270

86.7014, 69.9873,  
141.1997

8.8115, 5.0904,  
20.5119

111.9378, 92.4174,  
177.4034

4.6746, 2.3004,  
12.5799

141.6497,  
119.1907, 219.3200

2.0904, 0.7739,  
7.0126

176.2026,  
150.6917, 267.3682

0.6840, 0.0000,  
3.3914

215.9619,

0.0000, 0.0000,

187.3048, 321.9664

1.2978

261.2928,  
229.4144, 383.5333

■ 0.0000, 0.0000,  
0.0600

■ 0.0000, 0.0000,  
0.0000

■ 34.1926, 24.9131,  
62.6811

■ 34.1926, 24.9131,  
62.6811

■ 30.4953, 19.9851,  
61.9252

■ 38.5222, 30.9550,  
63.6195

■ 27.3890, 16.0932,  
61.3377

■ 43.5167, 38.1756,  
64.7500

■ 24.8309, 13.1537,  
60.9051

■ 49.2091, 46.6382,  
66.0834

■ 22.7707, 11.0686,  
60.6113

■ 55.6297, 56.4006,  
67.6294

21.1453, 9.7146,  
60.4356

62.8066, 67.5170,  
69.3968

20.5913, 9.3000,  
60.3847

70.7666, 80.0384,  
71.3941

78.6984, 92.3403,  
73.3506

81.2090, 93.6346,  
73.4681

83.8325, 94.9871,  
73.5908

# Harmonies

## Analogous

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



27.2881, 24.9131, 81.2966



34.1926, 24.9131, 62.6811



38.6335, 24.9131, 37.7084

# Triad

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



34.1926, 24.9131, 62.6811



27.1321, 24.9131, 4.6849



13.2139, 24.9131, 38.2177

# Complementary

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



34.1926, 24.9131, 62.6811



37.6940, 52.5781, 23.4922

# 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.



13.1881, 24.9131, 18.7358



34.1926, 24.9131, 62.6811



20.4033, 24.9131, 4.7188

# Square

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



34.1926, 24.9131, 62.6811



34.0598, 24.9131, 8.3160



15.5774, 24.9131, 8.4522



15.6562, 24.9131, 63.2034



# Rectangle

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



34.1926, 24.9131, 62.6811



39.1465, 24.9131, 23.8124



15.5774, 24.9131, 8.4522



12.9402, 24.9131, 30.7338

# Sweetspot

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



34.1935, 24.9141, 62.6817



79.9450, 76.8485, 105.2274



28.7840, 29.4315, 63.8387



16.6584, 15.7657, 22.4150



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.



34.1935, 24.9141, 62.6817



48.6196, 32.0379, 98.2291



41.8624, 29.0212, 56.0991



11.8633, 11.7784, 14.8918



12.9437, 5.8530, 37.6400



0.8101, 0.3718, 2.1086



# Inverse Universe

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



37.1527, 27.1373, 31.2978



54.3491, 36.2673, 40.8617



32.8265, 49.9922, 26.7250



11.9895, 11.8805, 13.2204



17.1127, 8.7179, 5.4999

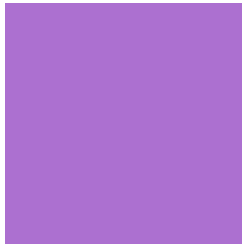


0.9949, 0.5027, 0.5078



# Previews

## White Background



This preview shows how the XYZ color 34.1926, 24.9131, 62.6811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

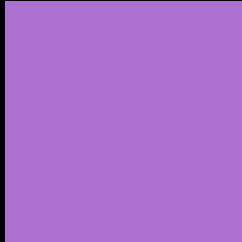
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1926, 24.9131, 62.6811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

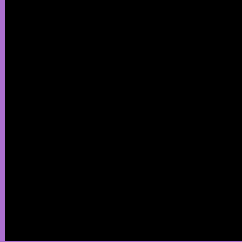
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.1926, 24.9131, 62.6811**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1926, 24.9131, 62.6811.



This preview shows how white text looks on a background with the XYZ color 34.1926, 24.9131,



# 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

34.1926, 24.9131, 62.6811

### Protanopia

27.5358, 25.2489, 76.0953

### Deuteranopia

25.7680, 25.1083, 59.9882



## Tritanopia

27.0046, 24.8504, 27.4181

# Trichromacy



## Original Color

34.1926, 24.9131, 62.6811



## Protanomaly

28.9833, 24.5246, 70.9163



## Deuteranomaly

27.9689, 24.4118, 60.9954



## Tritanomaly

29.0874, 24.5627, 37.8583

# Monochromacy



## Original Color

34.1926, 24.9131, 62.6811



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

27.7231, 25.3573, 39.0306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1926, 24.9131, 62.6811 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, 112, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 112, 208)  
}
```

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, 112, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 112, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1926, 24.9131, 62.6811 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, 112, 208) }
```



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

```
.border{ border-color:rgb(172, 112, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 112, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 112, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 112, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 112,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1926, 24.9131, 62.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 112, 208) }
```

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

```
.background{ background-color: rgb(172,  
112, 208) }
```

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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