

# Converting Colors

XYZ(26.3172, 35.2122, 16.9648)

Have a look what the booklet for  
XYZ(26.3172, 35.2122, 16.9648)  
contains.

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# Color

**XYZ(26.3172, 35.2122,  
16.9648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83AC62
RGB	131, 172, 98
RGB Percent	51%, 67%, 38%
CMY	0.4863, 0.3255, 0.6157
CMYK	0.24, 0.00, 0.43, 0.33
HSL	93°, 31%, 53%
HSV	93°, 43%, 67%
XYZ	26.3172, 35.2122, 16.9648
YIQ	151.3050, -0.6820, -31.7060

# Conversions

## Conversions Part 2

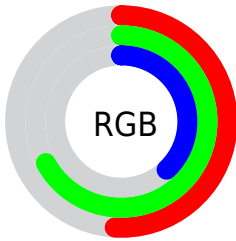
Format	Color
<b>RYB</b>	98, 172, 139
Decimal	8629346
CIELab	65.91, -27.19, 33.61
CIELCh	66, 43.229, 128.968
Yxy	35.2122, 0.3353, 0.4486
Android (android.graphics.Color)	4286819426 (0xFF83AC62)
YUV	151.3050, -26.2794, -17.8075
Hunter-Lab	59.3399, -24.6801, 24.5874

# Details

The XYZ color **26.3172, 35.2122, 16.9648** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4630, 17.2039, 41.1684**, and the grayscale version is **29.6563, 31.2007, 33.9776**.

A 20% lighter version of the original color is **53.2560, 68.0031, 39.1732**, and **10.3757, 15.0777, 5.2692** is the 20% darker color. If you saturate the color by 10%, you get **24.1822, 34.1966, 13.0717**, and if you desaturate by 10%, it is **28.7643, 36.3707, 21.7850**.

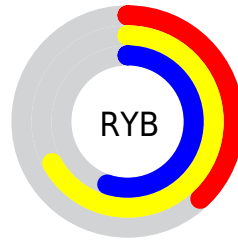
# Distribution



Red (51%)

Green (67%)

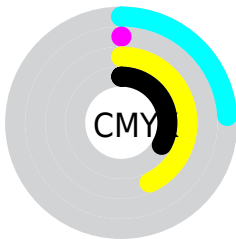
Blue (38%)



Red (38%)

Yellow (67%)

Blue (55%)

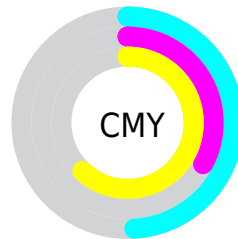


Cyan (24%)

Magenta (0%)

Yellow (43%)

Black (33%)



Cyan (49%)

Magenta (33%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.3172, 35.2122, 16.9648 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 26.3172, 35.2122, 16.9648 by changing the saturation by 10% instead.



■ 26.3172, 35.2122,  
16.9648

■ 26.3172, 35.2122,  
16.9648

276.5640,  
325.5040, 247.0065

■ 17.1950, 23.8264,  
10.0477

■ 53.2139, 67.8144,  
39.0551

■ 10.4698, 15.2049,  
5.3246

■ 71.7191, 89.7995,  
55.0653

■ 5.7762, 8.9633,  
2.3769

■ 94.0827, 116.0865,  
74.9437

■ 2.7488, 4.7173,  
0.7738

■ 120.6700,  
147.0599, 99.1088

■ 1.0224, 2.0823,  
0.0000

151.8465,  
183.1039, 127.9790

■ 0.0000, 0.6547,  
0.0000

187.9774,

■ 0.0000, 0.0000,

224.6030, 161.9731

0.0000

229.4281,  
271.9415, 201.5094

■ 26.3172, 35.2122,  
16.9648

■ 26.3172, 35.2122,  
16.9648

■ 24.1822, 34.1966,  
13.0717

■ 28.7643, 36.3707,  
21.7850

■ 22.3417, 33.3129,  
10.0437

■ 31.5347, 37.6734,  
27.5842

■ 20.7803, 32.5557,  
7.8150

■ 34.6421, 39.1274,  
34.4134

■ 19.4794, 31.9170,  
6.3094

■ 38.0986, 40.7379,  
42.3192

■ 18.4177, 31.3879,  
5.4356

■ 41.9157, 42.5098,  
51.3455

■ 17.7896, 31.0718,  
5.0599

■ 46.1042, 44.4479,  
61.5337

■ 50.6746, 46.5567,  
72.9231

■ 55.6368, 48.8404,  
85.5511

■ 61.0004, 51.3033,  
99.4535

# Harmonies

## Analogous

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



31.5882, 35.2122, 13.0189



26.3172, 35.2122, 16.9648



23.2554, 35.2122, 27.0421

# Triad

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



26.3172, 35.2122, 16.9648



29.2473, 35.2122, 81.4833



47.1386, 35.2122, 33.1097

# Complementary

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



26.3172, 35.2122, 16.9648



22.4630, 17.2039, 41.1684

# 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.



46.3034, 35.2122, 52.4140



26.3172, 35.2122, 16.9648



35.4212, 35.2122, 84.6900

# Square

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



26.3172, 35.2122, 16.9648



24.7913, 35.2122, 65.0164



41.8096, 35.2122, 72.7439



43.9646, 35.2122, 20.1878



# Rectangle

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



26.3172, 35.2122, 16.9648



22.6203, 35.2122, 37.7095



41.8096, 35.2122, 72.7439



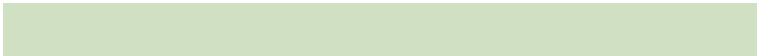
47.3252, 35.2122, 38.9776

# Sweetspot

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



26.3181, 35.2137, 16.9656



62.7183, 70.9212, 62.1486



28.4085, 28.0323, 15.4692



13.3560, 15.2847, 12.8944



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



26.3181, 35.2137, 16.9656



43.9009, 62.0504, 23.7702



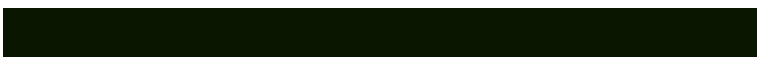
22.1740, 33.0567, 17.7049



8.2308, 9.1076, 8.5375



13.2990, 23.1530, 3.7680



0.4335, 0.6768, 0.1078



# Inverse Universe

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



22.4630, 17.2039, 41.1684



35.9351, 24.8803, 73.7142



28.4782, 20.3453, 39.6204



7.9872, 7.9677, 10.0696



9.1407, 4.0721, 29.3487



0.3160, 0.1451, 0.8193



# Previews

## White Background



This preview shows how the XYZ color 26.3172, 35.2122, 16.9648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

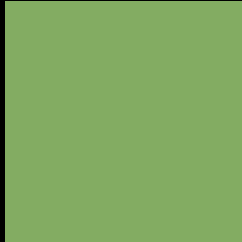
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.3172, 35.2122, 16.9648 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 26.3172, 35.2122, 16.9648**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.3172, 35.2122, 16.9648.



This preview shows how white text looks on a background with the XYZ color 26.3172, 35.2122,



# 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

26.3172, 35.2122, 16.9648

### Protanopia

32.2258, 35.0459, 15.4220

### Deuteranopia

35.5776, 34.9682, 17.7064



## Tritanopia

32.2614, 35.1686, 46.1622

# Trichromacy



## Original Color

26.3172, 35.2122, 16.9648

## Protanomaly

29.6391, 34.7481, 15.9714

## Deuteranomaly

31.4973, 34.6272, 17.3356

## Tritanomaly

29.6290, 34.8995, 33.1916

# Monochromacy



## Original Color

26.3172, 35.2122, 16.9648

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

28.0646, 32.3915, 26.6028

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.3172, 35.2122, 16.9648 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(131, 172, 98)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 98)  
}
```

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(131, 172, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 26.3172, 35.2122, 16.9648 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(131, 172, 98) }
```



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

```
.border{ border-color:rgb(131, 172, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 172, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 172, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 172, 98);  
box-shadow:4px 4px 4px 4px rgb(131, 172,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.3172, 35.2122, 16.9648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 98) }
```

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

```
.background{ background-color: rgb(131,  
172, 98) }
```

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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