

# Converting Colors

XYZ(24.2122, 29.7078, 23.6600)

Have a look what the booklet for  
XYZ(24.2122, 29.7078, 23.6600)  
contains.

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# Color

**XYZ(24.1307, 29.6678,  
23.5234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7E9C7C
RGB	126, 156, 124
RGB Percent	49%, 61%, 49%
CMY	0.5059, 0.3882, 0.5137
CMYK	0.19, 0.00, 0.21, 0.39
HSL	116°, 14%, 55%
HSV	116°, 21%, 61%
XYZ	24.1307, 29.6678, 23.5234
YIQ	143.3820, -7.6080, -16.3120

# Conversions

## Conversions Part 2

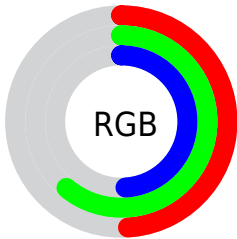
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 156, 154
Decimal	8297596
CIELab	61.37, -16.87, 13.38
CIELCh	61, 21.537, 141.583
Yxy	29.6678, 0.3121, 0.3837
Android (android.graphics.Color)	4286487676 (0xFF7E9C7C)
YUV	143.3820, -9.5553, -15.2440
Hunter-Lab	54.4682, -16.2395, 12.5219

# Details

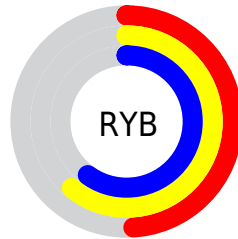
The XYZ color **24.1307, 29.6678, 23.5234** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.5362, 23.6865, 34.6274**, and the grayscale version is **26.3010, 27.6707, 30.1334**.

A 20% lighter version of the original color is **49.8205, 59.3466, 50.4242**, and **9.3021, 12.1477, 8.5111** is the 20% darker color. If you saturate the color by 10%, you get **21.2200, 28.2733, 18.6384**, and if you desaturate by 10%, it is **27.5144, 31.2899, 29.2466**.

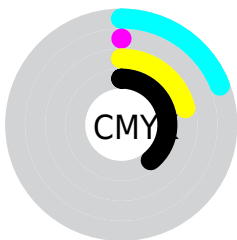
# Distribution



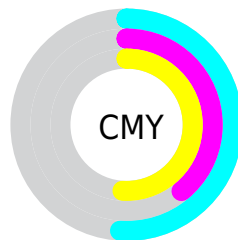
- Red (49%)
- Green (61%)
- Blue (49%)



- Red (49%)
- Yellow (61%)
- Blue (60%)



- Cyan (19%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)



- Cyan (51%)
- Magenta (39%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1307, 29.6678, 23.5234 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 24.1307, 29.6678, 23.5234 by changing the saturation by 10% instead.



■ 24.1307, 29.6678,  
23.5234

■ 24.1307, 29.6678,  
23.5234

265.9088,  
300.3529, 283.6106

■ 15.5559, 19.5866,  
14.7715

■ 49.6965, 59.1364,  
50.1854

■ 9.2993, 12.0949,  
8.5144

■ 67.4182, 79.2926,  
68.9326

■ 4.9956, 6.8083,  
4.3333

■ 88.9196, 103.5759,  
91.8486

■ 2.2794, 3.3425,  
1.8099

114.5660,  
132.3707, 119.3520

■ 0.7841, 1.3131,  
0.4345

144.7227,  
166.0614, 151.8614

■ 0.0000, 0.1513,  
0.0000

179.7552,

■ 0.0000, 0.0000,

205.0324, 189.7953

0.0000

220.0288,  
249.6681, 233.5721

■ 24.1307, 29.6678,  
23.5234

■ 24.1307, 29.6678,  
23.5234

■ 21.2200, 28.2733,  
18.6384

■ 27.5144, 31.2899,  
29.2466

■ 18.7591, 27.0925,  
14.5504

■ 31.3885, 33.1450,  
35.8427

■ 16.7261, 26.1162,  
11.2177


■ 35.7721, 35.2433,  
43.3466


■ 15.0966, 25.3325,  
8.5941


■ 40.6830, 37.5931,  
51.7912


■ 13.8436, 24.7288,  
6.6282


■ 46.1377, 40.2024,  
61.2072


 12.9370, 24.2907,  
5.2619


 52.1523, 43.0787,  
71.6242

 12.3416, 24.0016,  
4.4268

 58.7422, 46.2294,  
83.0707

 12.0111, 23.8410,  
3.9687

 65.9220, 49.6614,  
95.5736

 71.1791, 52.2581,  
100.9430

# Harmonies

## Analogous

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



26.2360, 29.6678, 19.8286



24.1307, 29.6678, 23.5234



23.1317, 29.6678, 30.0665

# Triad

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



24.1307, 29.6678, 23.5234



27.4062, 29.6678, 50.3851



33.5899, 29.6678, 26.8827

# Complementary

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



24.1307, 29.6678, 23.5234



26.5362, 23.6865, 34.6274

# 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.



33.9555, 29.6678, 34.6481



24.1307, 29.6678, 23.5234



30.2562, 29.6678, 49.1466

# Square

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



24.1307, 29.6678, 23.5234



24.9379, 29.6678, 46.1788



32.6992, 29.6678, 43.0339



31.7313, 29.6678, 21.5293



# Rectangle

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



24.1307, 29.6678, 23.5234



23.1777, 29.6678, 35.5478



32.6992, 29.6678, 43.0339



33.8962, 29.6678, 29.2623

# Sweetspot

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



24.1315, 29.6691, 23.5241



52.9520, 58.2559, 58.1835



28.8833, 31.5919, 23.6447



11.5617, 12.7757, 12.6497



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



24.1315, 29.6691, 23.5241



41.0889, 52.5721, 38.1188



24.7794, 29.8945, 28.4593



6.5872, 7.4199, 7.0707



9.9041, 19.6425, 3.2694



0.1871, 0.3564, 0.0589



# Inverse Universe

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



26.5362, 23.6865, 34.6274



46.3278, 39.5339, 62.3158



25.8115, 23.4410, 28.8089



6.8632, 6.7335, 8.3446



14.7551, 7.0356, 26.4876



0.2749, 0.1315, 0.4741



# Previews

## White Background



This preview shows how the XYZ color 24.1307, 29.6678, 23.5234 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 24.1307, 29.6678, 23.5234 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 24.1307, 29.6678, 23.5234**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1307, 29.6678, 23.5234.



This preview shows how white text looks on a background with the XYZ color 24.1307, 29.6678,



# 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

24.1307, 29.6678, 23.5234

### Protanopia

27.7285, 29.3916, 21.9810

### Deuteranopia

30.0813, 29.4244, 24.1727



## Tritanopia

27.3503, 29.7641, 38.9539

# Trichromacy



## Original Color

24.1307, 29.6678, 23.5234

## Protanomaly

26.2116, 29.3042, 22.3639

## Deuteranomaly

27.5260, 29.2438, 23.9325

## Tritanomaly

26.0220, 29.6982, 32.7946

# Monochromacy



## Original Color

24.1307, 29.6678, 23.5234

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

25.3504, 28.2757, 27.4142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1307, 29.6678, 23.5234 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(126, 156, 124) looks like.

```
.text, #text, p{  
    color:rgb(126, 156, 124)  
}
```

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(126, 156, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 156, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1307, 29.6678, 23.5234 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(126, 156, 124) }
```



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

```
.border{ border-color:rgb(126, 156, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 156, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 156, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 156, 124);  
box-shadow:4px 4px 4px 4px rgb(126, 156,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1307, 29.6678, 23.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 156, 124) }
```

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

```
.background{ background-color: rgb(126,  
156, 124) }
```

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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