

# Converting Colors

XYZ(30.4239, 27.5086, 42.8780)

Have a look what the booklet for  
XYZ(30.4239, 27.5086, 42.8780)  
contains.

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# Color

**XYZ(30.4687, 27.5023,  
42.7323)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A086AC
RGB	160, 134, 172
RGB Percent	63%, 53%, 67%
CMY	0.3725, 0.4745, 0.3255
CMYK	0.07, 0.22, 0.00, 0.33
HSL	281°, 19%, 60%
HSV	281°, 22%, 67%
XYZ	30.4687, 27.5023, 42.7323
YIQ	146.1060, 3.2980, 17.3300

# Conversions

## Conversions Part 2

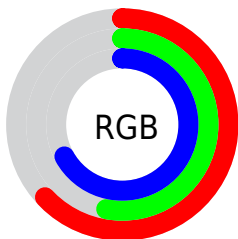
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	160, 134, 172
Decimal	10520236
CIE Lab	59.44, 17.04, -16.37
CIE LCh	59, 23.626, 316.153
Yxy	27.5023, 0.3026, 0.2731
Android (android.graphics.Color)	4288710316 (0xFFA086AC)
YUV	146.1060, 12.7657, 12.1850
Hunter-Lab	52.4426, 11.9323, -11.6020

# Details

The XYZ color **30.4687, 27.5023, 42.7323** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **30.9105, 37.3379, 28.1333**, and the grayscale version is **27.3141, 28.7366, 31.2941**.

A 20% lighter version of the original color is **59.6598, 55.5338, 80.2477**, and **12.7448, 10.8849, 19.1986** is the 20% darker color. If you saturate the color by 10%, you get **27.2200, 22.5815, 41.9541**, and if you desaturate by 10%, it is **34.1532, 33.2232, 43.6428**.

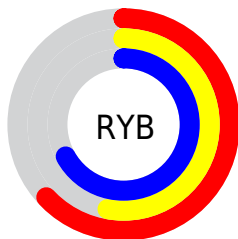
# Distribution



Red (63%)

Green (53%)

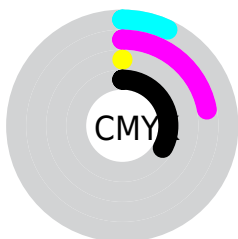
Blue (67%)



Red (63%)

Yellow (53%)

Blue (67%)

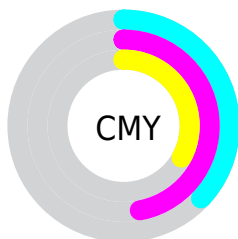


Cyan (7%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (37%)

Magenta (47%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4687, 27.5023, 42.7323 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 30.4687, 27.5023, 42.7323 by changing the saturation by 10% instead.



■ 30.4687, 27.5023,  
42.7323

■ 30.4687, 27.5023,  
42.7323

295.9539,  
290.0810, 373.3985

■ 20.3445, 17.9508,  
29.3453

■ 59.7842, 55.6889,  
80.5888

■ 12.7554, 10.9147,  
19.0944

■ 79.7061, 75.0927,  
105.8953

■ 7.3362, 6.0095,  
11.5610

■ 103.6246, 98.5495,  
136.0120

■ 3.7214, 2.8509,  
6.3266

131.9051,  
126.4436, 171.3576

■ 1.5458, 1.0544,  
2.9727

164.9130,  
159.1594, 212.3505

■ 0.3567, 0.0000,  
1.0807

203.0135,

■ 0.0000, 0.0000,

197.0813, 259.4092

0.0000

246.5720,  
240.5937, 312.9524

■ 30.4687, 27.5023,  
42.7323

■ 30.4687, 27.5023,  
42.7323

■ 27.2200, 22.5815,  
41.9541

■ 34.1532, 33.2232,  
43.6428

■ 24.3854, 18.4196,  
41.3002

■ 38.2889, 39.7759,  
44.6896

■ 21.9447, 14.9771,  
40.7644

■ 42.8936, 47.1943,  
45.8788

■ 19.8752, 12.2093,  
40.3392

■ 47.9833, 55.5098,  
47.2156

■ 18.1517, 10.0665,  
40.0165

■ 53.5733, 64.7519,  
48.7049

16.7452, 8.4920,  
39.7867

59.6780, 74.9489,  
50.3513

15.6214, 7.4182,  
39.6386

66.3114, 86.1278,  
52.1595

14.8749, 6.8081,  
39.5602

67.9591, 87.2590,  
52.2910

69.4688, 88.0373,  
52.3616

# Harmonies

## Analogous

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



27.7576, 27.5023, 48.5142



30.4687, 27.5023, 42.7323



32.0722, 27.5023, 34.0232

# Triad

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



30.4687, 27.5023, 42.7323



27.5277, 27.5023, 16.7308



21.0400, 27.5023, 34.7187

# Complementary

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



30.4687, 27.5023, 42.7323



30.9105, 37.3379, 28.1333

# 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.



20.9887, 27.5023, 26.2071



30.4687, 27.5023, 42.7323



24.5867, 27.5023, 16.8464

# Square

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



30.4687, 27.5023, 42.7323



30.2894, 27.5023, 19.6506



22.2422, 27.5023, 20.0035



22.3882, 27.5023, 43.3238



# Rectangle

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



30.4687, 27.5023, 42.7323



32.2246, 27.5023, 28.2300



22.2422, 27.5023, 20.0035



20.8742, 27.5023, 31.7288

# Sweetspot

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



30.4696, 27.5035, 42.7329



65.5797, 65.9818, 80.0851



27.5630, 28.6160, 43.1008



14.1601, 14.1939, 17.3811



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.



30.4696, 27.5035, 42.7329



52.0012, 44.9043, 76.7324



32.3337, 28.5398, 39.4184



8.0873, 8.0193, 10.0743



11.1279, 5.0965, 29.4417



0.3628, 0.1692, 0.8215



# Inverse Universe

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



30.7275, 27.8973, 30.9604



52.6480, 45.8116, 50.8375



29.3902, 36.4961, 30.6829



8.1056, 8.0555, 8.8667



13.1841, 6.7362, 3.3490



0.3919, 0.1975, 0.2256



# Previews

## White Background



This preview shows how the XYZ color 30.4687, 27.5023, 42.7323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

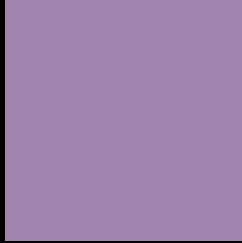
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.4687, 27.5023, 42.7323 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 30.4687, 27.5023, 42.7323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4687, 27.5023, 42.7323.



This preview shows how white text looks on a background with the XYZ color 30.4687, 27.5023,



# 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

30.4687, 27.5023, 42.7323

### Protanopia

27.6005, 27.6712, 45.4814

### Deuteranopia

28.2304, 27.6257, 42.3725



## Tritanopia

28.2236, 27.4148, 32.2378

# Trichromacy



## Original Color

30.4687, 27.5023, 42.7323

## Protanomaly

28.4721, 27.4897, 44.3628

## Deuteranomaly

29.0168, 27.6013, 42.3263

## Tritanomaly

28.9361, 27.4937, 35.6800

# Monochromacy



## Original Color

30.4687, 27.5023, 42.7323

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

28.3519, 28.2919, 34.9769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4687, 27.5023, 42.7323 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(160, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(160, 134, 172)  
}
```

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(160, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 134, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4687, 27.5023, 42.7323 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(160, 134, 172) }
```



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

```
.border{ border-color:rgb(160, 134, 172) }
```

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

Here you see how a box with a 4 pixel rgb(160, 134, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(160, 134,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4687, 27.5023, 42.7323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 134, 172) }
```

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

```
.background{ background-color: rgb(160,  
134, 172) }
```

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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